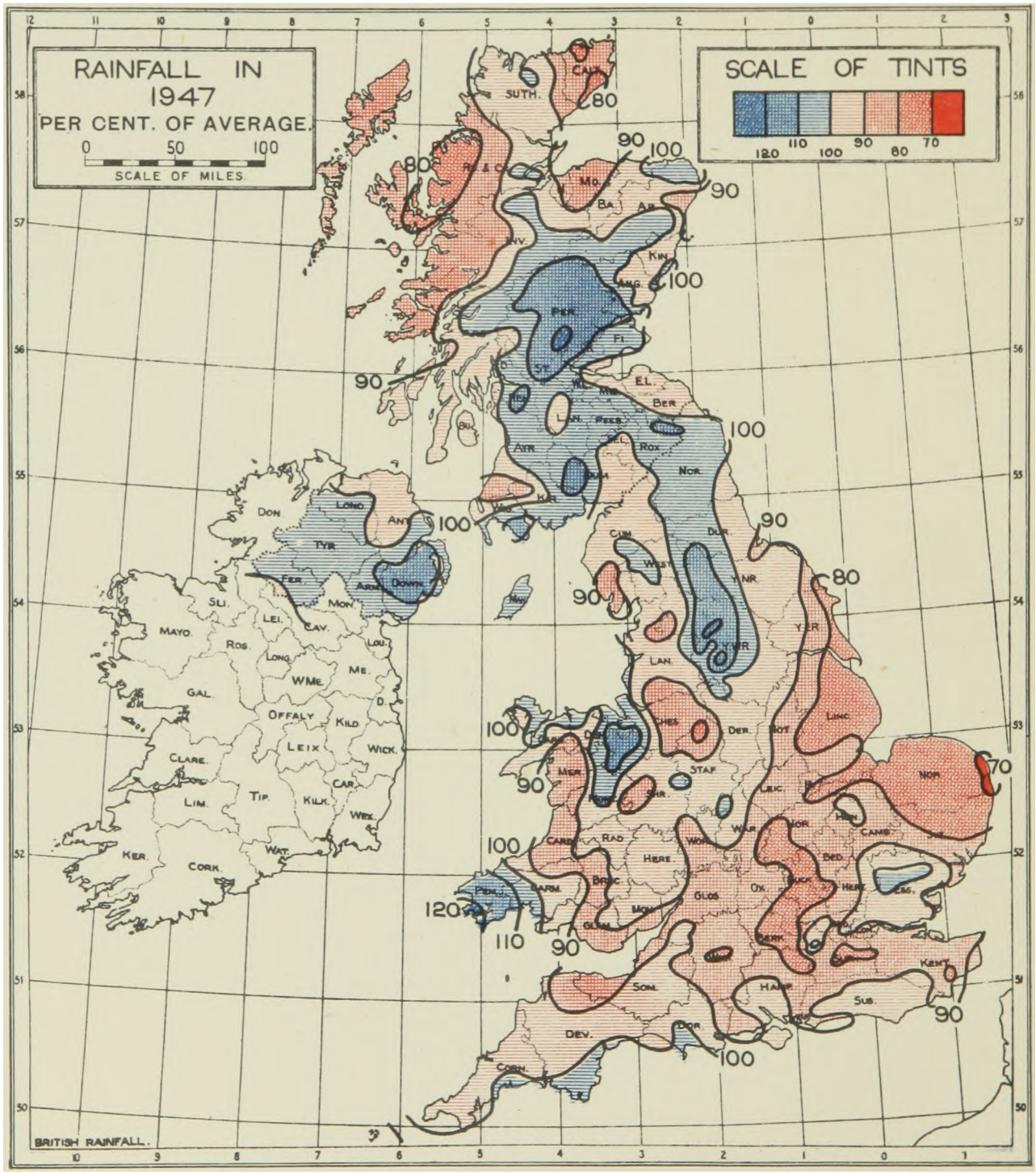
RELATION OF RAINFALL IN 1947 TO THE AVERAGE OF 1881-1915.



The area coloured Red had rainfall below the average, that coloured Blue had rainfall above the average.

M.O. 517

AIR MINISTRY

METEOROLOGICAL OFFICE

BRITISH RAINFALL
1947

THE EIGHTY-SEVENTH ANNUAL VOLUME OF
THE BRITISH RAINFALL ORGANIZATION

Report on the

DISTRIBUTION OF RAIN

IN SPACE AND TIME OVER GREAT BRITAIN
AND NORTHERN IRELAND DURING THE
YEAR 1947 AS RECORDED BY ABOUT
5,000 OBSERVERS

WITH MAPS

LONDON: HIS MAJESTY'S STATIONERY OFFICE
1949

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BRITISH RAINFALL, 1947

PART I

1 The Work of the British Rainfall Organization

"BRITISH RAINFALL." This publication is uniform with that dealing with the year 1946. Although somewhat smaller than pre-war volumes it retains their principal features thus enabling comparison to be made between conditions in 1947 and those in earlier years. As in 1946 the principal tables are numbered according to their sequence in the various sections. Thus in Section 8, they are numbered 8A, 8B, etc. The series of monthly, seasonal and annual percentage of average maps have been continued, the annual map appearing as a coloured plate.

LOCAL ORGANIZATIONS. For assistance in the collection of the rainfall returns and for stimulating local interest in weather records, the British Rainfall Organization is indebted to officials of various local organizations. Among these may be mentioned Mr. R. Butler of the Hertfordshire Natural History Society ; Mr. C. W. Boddington of the Northamptonshire Natural History Society ; Mr. R. S. Copeman of the Norfolk Rainfall Organization ; the Librarian, North Devon Athenaeum ; Mr. E. L. Kelting of the Mid-Wessex Rainfall Association ; Mr. Robert Burrow, Engineer and Manager of the Jersey New Waterworks Company and Mr. E. M. W. Murphy of the Irish Rainfall Association. Mr. P. J. Stevens, who had been Secretary of the Cornwall Rainfall Association since 1943 sent returns until his death early in 1948. Mr. Wm. Dunbar retired from the position of Burgh Surveyor of Kilmarnock during the year but his successor, Mr. W. N. McCall, has continued the collection of records in Ayrshire.

Acknowledgment is also due to the Editor of the *Hereford Times* and to Capt. W. N. McClean for assistance in the collection of records.

THE STAFF OF OBSERVERS. The basis of discussion of the rainfall which is presented in this volume is the collection of about 5,000 returns of rainfall received from all parts of the country. Not all of these are included in the General Table (Part II of this volume) the Table being shortened by the omission of returns from check gauges and of some records which are not complete. Returns are contributed by private persons who measure the rainfall primarily as a matter of personal interest, or by public local authorities—and especially the authorities of water undertakings—who find that a knowledge of rainfall is essential to them in their work. The goodwill of the observers who voluntarily forward copies of their observations for preservation is gratefully acknowledged. Without their co-operation the compilation of this volume would not be possible.

INVESTIGATIONS. An investigation was made into the variation over the country of the average evaporation, utilising the records

from evaporation tanks published in *British Rainfall*, the duration of bright sunshine, the saturation deficit and the relative intensity of solar radiation. This investigation aimed at showing the variation over the country of the evaporation in clear air at sea level from tanks in open situations.

A short article " Absolute Droughts and Partial Droughts over the British Isles, 1906–1940," prepared by Dr. J. Glasspoole and Miss H. Rowsell was published in the *Meteorological Magazine*, 1947, pp. 201–5.

Dr. C. E. P. Brooks and Dr. J. Glasspoole continued to serve as members of the Hydrological Commission of the International Meteorological Organization.

Dr. J. Glasspoole served as a member of the working party dealing with the preparation of a section on Hydrology for the Manual of British Water Engineering Practice to be published by the Institution of Water Engineers, and also on a new Committee on Floods appointed by the Institution of Civil Engineers.

Arrangements were made for the Ordnance Survey to publish maps of average annual rainfall on two sheets covering Great Britain on a scale of 10 miles to 1 inch in the series of maps by the Ministry of Town and Country Planning. The original maps were compiled in the Meteorological Office on a scale of 2 miles to 1 inch.

INSPECTIONS. A scheme for the resumption of inspections of climatological stations reporting to the Meteorological Office was put into operation during the year. Also the opportunity was taken by members of the Office staffs in London, Edinburgh and at certain R.A.F. stations to carry out inspections of rainfall stations in their localities. Stations inspected during the year, or at which sites for new gauges were chosen, included groups maintained by the Metropolitan Water Board, the Newcastle and Gateshead Waterworks, the Edinburgh Waterworks, the Lanarkshire County Council and the Painscastle Rural District Council.

INQUIRIES. Inquiries regarding rainfall in various parts of the country were unusually numerous and covered a wide range. They included the supply of records defining the rainfall experienced during specified periods in particular localities, the supply of estimates of average annual and monthly rainfall over specified areas, advice on the provision of equipment and the best exposure for the rain-gauges. Among the information supplied reference may be made to the provision of rainfall maps and reports covering several counties to the Ministry of Health ; reports on rainfall of proposed new satellite towns to the Ministry of Town and Country Planning ; data to the Ministry of Fuel and Power in connection with an investigation into open-cast coal workings ; a report on dry winters to the Ministry of Agriculture and Fisheries ; statistics, maps and reports on rainfall of various areas to the Welsh Board of Health, many County and Borough Councils, Water authorities and River Catchment Boards, County War Agricultural Committees, the Land Settlement Association, etc., etc.

Information has been supplied monthly for publication in *Water and Water Engineering* and the *Meteorological Magazine* while monthly reports on the rainfall of Great Britain and Northern Ireland have been furnished to the British Waterworks Association and to certain Government Departments. Detailed reports were supplied each month to the Metropolitan Water Board and the Thames and Lea Conservancies. A comprehensive annual report was also prepared for the Metropolitan Water Board. The regular monthly issue of rainfall maps and data to consulting engineers, local authorities and numerous Catchment and Conservancy Boards was continued and extended.

Included among inquiries for rainfall data dealt with in the Office at Edinburgh were those from the Scottish Departments of Agriculture and Health, County Planning authorities and the Hydro-Electric Board and its consulting engineers. Information was also supplied monthly to the Registrar

Name	Last place of observation	No. of years' records
John D. Walker, Esq.	Ruddington, Nottingham	75
A. T. Iles, Esq.	Fairford, Gloucestershire	57
E. W. Arkell, Esq.	Chipping Norton, Oxfordshire ..	52
A. A. Howard, Esq.	Meldreth, Cambridgeshire	43
Alfred T. Loram, Esq.	Aylesbeare, Devon	43
W. B. Yates, Esq.	Cilcen Hall, Flintshire	43
G. Berry Hamlin, Esq.	Patcham, Sussex	40
A. Ashford, Esq.	Chiseldon, Wiltshire	40
A. A. H. Wykeham, Esq.	Brighstone, Hampshire	39
Mrs. M. Mackenzie	Dunvegan, Isle of Skye	38
Miss V. J. Martineau	Heckfield, Hampshire	38
H. Satchell, Esq.	Hoarwithy, Herefordshire	38
H. W. Hart, Esq.	Bishop's Stortford, Hertfordshire ..	37
Dr. George Davidson	Torphins, Aberdeenshire	32
Rev. Dr. S. P. Duval	Lyminster, Sussex	31
Major C. F. Randolph	Curdridge, Hampshire	30
John Tracey, Esq.	Bicknoller, Somerset	30

General for Scotland, the Galloway Water Power Company and the Scottish Tourist Board.

OBITUARY. During the twelve months ending 30th June, 1948, reports were received of the deaths of 56 observers who had contributed to volumes of *British Rainfall*. Of these, 17 kept rainfall records, or were associated with relatives who kept records, for 30 years or more. A list of these is given above. In most cases records were maintained throughout by the same observer.

The death of Mr. John D. Walker of Ruddington near Nottingham, at the age of 91, removes from the ranks of rainfall observers an enthusiast who broke all previous records by maintaining continuous observations over no less than three quarters of a century. Mr. Walker personally wrote out his rainfall return for 1947 and sent it to the Meteorological Office less than a fortnight before his death. His records from 1873 to 1919 were sent to the British Rainfall Organization, and from 1920 onwards to the Meteorological Office, so that the 75 years observations are preserved for posterity.

Mr. A. T. Iles had kept a rainfall record for 57 years when he died at the age of 83 on 21st July, 1947. The record at Fairford was started by his father in January 1863. Thus father and son between them kept an unbroken record for 84 years.

Mr. E. W. Arkell who died on 18th January, 1948 kept a record for 52 years. He made his first rainfall observations at Upton Wold in 1896 and continued at Chipping Norton until shortly before his death.

Mr. A. A. Howard maintained a rainfall record at Meldreth in Cambridgeshire from 1904 until his death in November 1947. The record is being continued by his son, Mr. A. T. Howard.

Mr. Alfred T. Loram kept a rainfall record at Aylesbeare near Exeter for 43 years. The record has been continued since his death in November 1947 by Mr. W. T. Slader.

Mr. W. B. Yates kept a record at Cilcen Hall, Flintshire, from 1904 until shortly before his death in April 1947. The record is being continued by Mrs. Yates.

Mr. G. Berry Hamlin commenced observations in Sussex in 1906. Apart from a lapse due to ill-health in 1932–33 the records were continued until his death in January 1948. From 1941 he maintained full climatological reports, summaries of which were published in the *Monthly Weather Report*.

Mrs. M. Mackenzie personally carried on the record at Dunvegan, Isle of Skye, for 38 years until October 1946 when, owing to ill-health, she was no longer able to take the readings. She died on 24th August 1947.

2 The Distribution of Rain in Time

THE NUMBER OF RAIN-DAYS AND WET-DAYS IN 1947

TO OBTAIN a homogeneous series of statistics the following definitions have been used in *British Rainfall:*

A **rain-day** is a period of 24 hours, commencing normally at 9 a.m., on which ·01 inch, or 0·2 mm. or more of rain is recorded.

A **wet-day** is a period of 24 hours, commencing normally at 9 a.m., on which ·04 inch, or 1·0 mm. or more of rain is recorded.

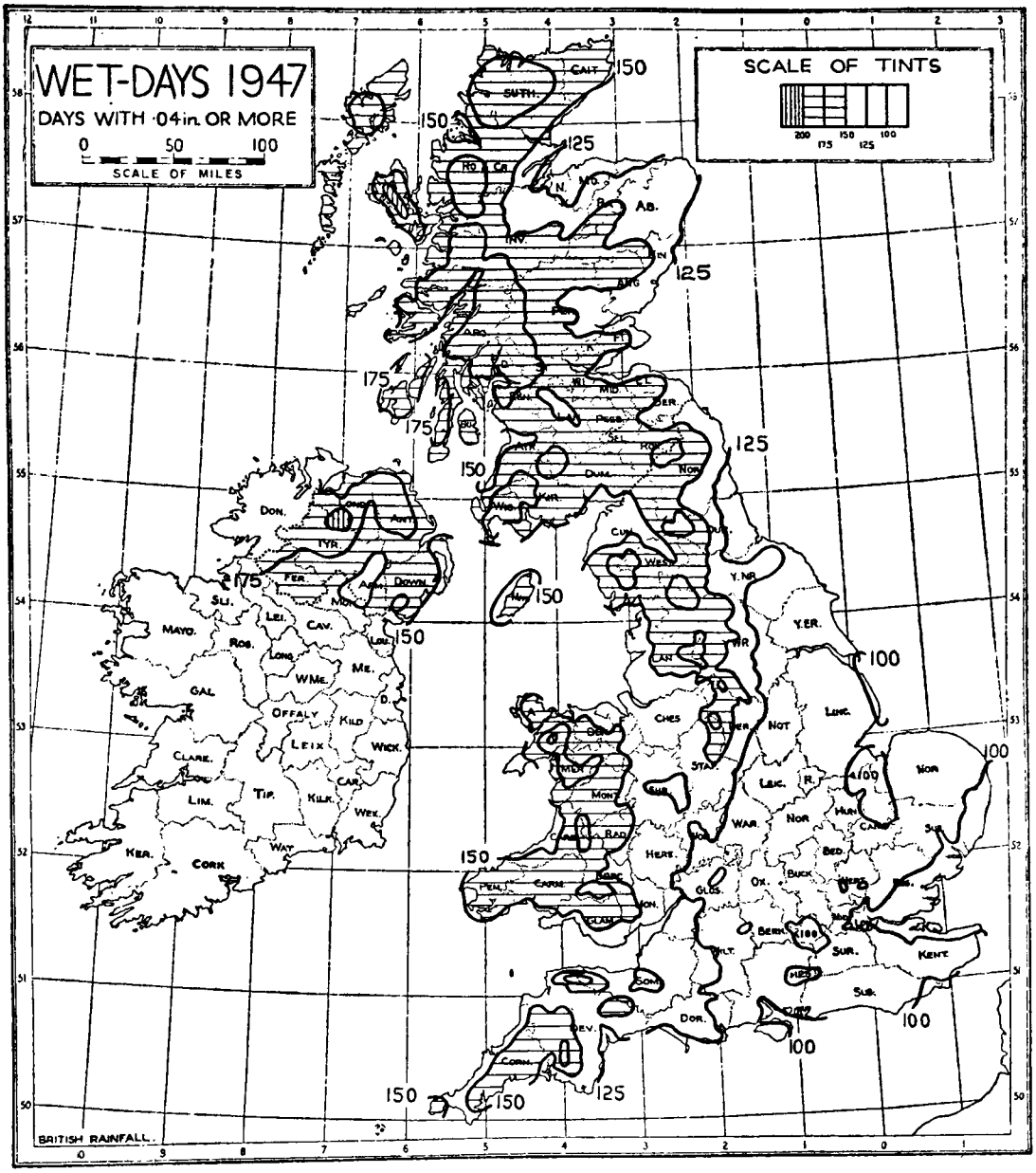
The former definition dates from the year 1865; the latter was adopted about 1917. Each of the terms "rain-day" and "wet-day" is open to criticism, the latter particularly so, since it has a different meaning in ordinary use. It must, therefore, be understood that whenever these terms are used in this publication, the meanings set out above are attached to them.

The satisfactory mapping of the annual values of rain-days has always presented difficulties, whereas the values of wet-days have proved sufficiently consistent to enable the distribution of these days to be defined. Maps showing the annual distribution of wet-days over the country have been included in *British Rainfall* since 1919. Maps showing the distribution of annual and monthly average numbers of rain-days were published in the *Quarterly Journal of the Royal Meteorological Society*, 1928, pp. 89–101, but similar maps of wet-days have not yet been prepared.

Information as to the number of rain-days and wet-days in 1947 is set out in this volume in various forms. The General Table of rainfall shows the annual numbers of rain-days and wet-days at stations where daily observations are recorded. The distribution of the number of wet-days is shown on the map reproduced on p. 5.

To study the distribution of rain-days and wet-days throughout the year, 82 stations have been selected to represent as uniformly as possible conditions over Great Britain and Northern Ireland. The same stations have been used in the preparation of Table 3C, Droughts and Dry Spells, and of Table 4C, Rain Spells and Wet Spells. The numbers of rain-days and wet-days recorded at these stations are given in Table 2B. The monthly mean values for England and Wales, Scotland and Northern Ireland are shown in the table. Computed average numbers of rain-days for the period 1881–1915 are also given for England and Wales and for Scotland for purposes of comparison. The monthly rainfall amounts for the 82 stations are included in Table 8C.

The map of the annual number of wet-days in 1947 shows a distribution which, in the



main, is similar to that in earlier years. Broadly speaking the number of wet-days increases from the south-east to the north-west and from the plains of the east coast to the mountainous regions of the west.

The total number of wet-days in 1947 over England and Wales as a whole, 126, was 20 less than in 1946 and 13 less than the average for the 30 years, 1917–1946. In the 10 years, 1938 to 1947, only two years, 1939 and 1946, have had more than the average number of wet-days. Scotland had 155 wet-days in 1947, which is 20 less than average. In the past 30 years only 1933 and 1941 had fewer than 155 wet-days. Northern Ireland's total of 165 wet-days is 19 fewer than in 1946. It is 14 less than the average for the 6 years (1941–1946) for which comparable data are available.

There were fewer than 100 wet-days during the year over the Thames Estuary and in several scattered areas to the east of a line

drawn from the Humber to the Solent. Shoeburyness had only 84 wet-days. The greatest number of wet-days recorded at the selected stations (Table 2B) was 194 at Loch More in Sutherland, but records from additional stations show that rather more than 200 wet-days occurred on the Cullins in Skye and on the Sperrin Mountains to the south-east of Londonderry.

The total number of rain-days in 1947 over England and Wales as a whole, 170, was 18 less than the average. Scotland had 200 rain-days, or 17 less than average. Shoeburyness had only 120 rain-days in 1947 and most of south and east England had less than 150. Londonderry reported the largest total, viz. 265 rain-days.

Over England and Wales as a whole, March had the greatest number of rain-days and wet-days, viz. 24 and 20 respectively. The very dry August had 3 rain-days, 2 of which were wet-days. In Scotland the greatest number of rain-days in any month, 22, was recorded in April, September and November ; the numbers of wet-days in these months were 17, 17 and 20 respectively. August had only 2 rain-days, one of them a wet-day.

Rain was recorded every day in September at Londonderry and on every day in November at some stations in the north of Scotland.

Six stations in Table 2B had not a single rain-day in August and no less than 19 stations failed to record a wet-day in that month. Little rain fell in the west of Scotland during February, Gruline in Mull reporting only 3 rain-days, none of which was a wet-day. October was remarkable for the small numbers of rain-days and wet-days over the south of England and the Midlands.

The general number of rain-days over England and Wales during each month of the last 10 years is set out in Table 2A. In this period only two months, January 1943 and March 1947, had so many as 24 rain-days, and only one month, August 1947, had so few as 3 rain-days. The latter figure is the least for any August since comparable statistics became available in 1917 and has only been equalled in one other month, viz. June 1925.

Table 2A Monthly General Number of Rain-Days (Days with ·01 inch or more) over England and Wales 1938–1947

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1938	22	11	7	4	15	13	17	15	16	21	20	21	182
1939	23	14	17	16	9	14	21	14	8	18	22	13	189
1940	11	17	16	17	10	6	19	7	12	17	21	18	171
1941	18	20	15	11	12	7	13	21	7	16	19	14	173
1942	18	10	14	10	15	5	16	18	16	18	12	21	173
1943	24	12	8	11	12	14	12	19	17	16	19	13	177
1944	17	14	8	12	9	16	16	12	16	20	23	18	181
1945	18	17	9	12	18	18	13	13	16	11	11	20	176
1946	15	16	10	10	14	20	14	21	20	12	22	20	194
1947	18	12	24	15	15	14	15	3	13	8	17	16	170
Average*	18	15	16	14	14	13	14	16	13	18	18	19	188

* Average for 35 years, 1881–1915.

Table 2B Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in 1947

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rainfall
ENGLAND AND WALES															in.
London 2	St. Pancras (Camden Square) .	16 10	10 7	24 18	13 9	14 9	11 10	11 9	3 1	9 4	3 1	11 6	15 12	140 96	20·97
Kent 1	Folkestone (Cherry Gardens) .	19 13	10 7	24 18	10 10	10 5	12 11	11 9	2 0	13 9	3 2	14 10	20 16	148 110	26·14
Sussex 3	Worthing (Beach House Park)	18 13	10 8	24 17	10 6	16 11	12 9	9 6	4 3	9 7	3 3	13 7	11 11	139 101	24·31
Hampshire ..1	Ventnor (Royal Nat. Hosp.) .	19 14	11 6	26 21	11 8	13 9	14 8	14 8	5 5	12 10	7 6	16 10	12 10	160 115	28·49
Hampshire ..1	Totland Bay (Aston House) ..	21 16	10 7	27 20	13 9	16 11	13 7	14 7	4 3	10 6	7 5	15 9	13 10	163 110	25·47
Hampshire ..3	Fordingbridge (Oaklands) ...	20 15	8 5	26 20	15 11	17 14	15 8	13 10	2 2	8 6	8 5	16 7	12 11	160 114	27·91
Hampshire ..7	Selborne (The Wakes)	23 16	11 9	24 23	13 10	16 14	16 12	10 8	4 3	13 10	7 5	19 11	18 14	174 135	30·94
Hertford ...2	Harpenden (Rothamsted)	16 8	11 7	25 19	14 10	12 10	12 9	11 5	3 0	10 5	3 0	17 7	21 13	155 93	20·78
Hertford ...3	Royston (Therfield Rectory) ..	16 11	9 9	23 19	15 14	13 7	13 10	15 10	2 0	13 4	4 1	14 8	21 14	158 107	20·39
Oxford 3	Oxford (Radcliffe Met. Stn.) ..	22 12	14 8	25 21	16 10	19 8	11 8	14 10	2 1	10 6	7 4	19 9	15 10	174 107	19·93
Northants ..4	Wellingborough (Swanspool) .	15 11	13 8	24 20	15 10	10 9	13 11	11 8	0 0	12 8	6 2	14 12	16 11	149 110	19·84
Huntingdon .1	Whittlesea Mere	14 9	12 7	23 18	12 11	11 8	12 11	12 8	2 0	9 8	5 3	12 7	18 13	142 103	17·19
Essex 3	Shoeburyness	16 12	9 7	17 12	9 6	9 7	12 8	9 7	3 3	6 5	2 2	10 5	18 10	120 84	18·47
Suffolk 4	Lowestoft (Secondary School)	16 10	13 10	18 14	11 10	5 2	10 5	7 7	3 1	8 3	5 4	16 10	18 16	130 92	17·16
Norfolk.....3	Hunstanton	16 13	13 12	23 22	13 11	5 2	11 10	12 10	2 1	10 8	7 3	11 10	15 11	138 113	20·22
Norfolk.....4	Thetford Waterworks	20 13	9 8	24 18	18 9	12 5	13 10	11 8	2 1	12 5	9 3	19 8	22 14	171 102	18·24
S. Devon....5	Teignmouth (Den Gardens) ..	16 12	10 7	26 23	15 12	18 14	15 11	11 8	5 4	10 6	6 4	15 8	15 11	162 120	33·34
N. Devon ...2	Barnstaple (N.Dev.Athenaeum)	19 16	9 3	26 23	13 11	18 11	18 16	14 11	3 2	13 9	11 5	19 13	16 14	179 134	28·93
Cornwall....1	Bude (School House)	20 14	12 5	26 24	16 10	20 15	19 13	17 11	5 3	15 10	9 4	24 16	19 15	202 140	30·88
Cornwall....2	St. Austell (Trevarna)	18 16	15 6	27 25	18 12	22 17	18 15	15 11	6 4	16 11	9 6	21 17	20 17	205 157	49·68
Cornwall.. .4	Tresco Abbey	22 18	19 15	27 24	17 11	17 13	18 13	20 15	6 6	16 12	7 6	19 13	19 16	207 162	41·45
Somerset ...1	Bath (Henrietta Park)	17 16	7 7	20 19	11 11	17 16	11 10	16 11	4 3	11 9	3 3	14 11	14 11	145 127	26·98
Somerset ...3	Trull (Wayside).....	19 15	9 8	26 22	17 13	19 14	14 9	12 10	4 3	10 6	10 3	18 14	16 15	174 132	29·12
Hereford ...1	Ross-on-Wye	17 12	12 9	24 19	14 10	19 15	14 9	17 11	2 2	10 7	8 2	17 10	12 8	166 114	27·97
Shropshire ..4	Shifnal (Hatton Grange)	15 14	9 9	23 21	17 8	14 12	7 2	15 12	3 1	14 9	8 4	17 13	15 11	157 116	24·78
Warwick ...1	Warwick (Mill Street).....	16 7	9 9	25 21	15 12	13 9	11 7	16 12	3 2	12 8	7 3	16 12	11 9	154 111	21·89
Leicester ...4	Loughbor'gh(Nanpantan Res.)	18 15	14 9	25 23	13 10	12 7	11 8	15 10	1 1	11 10	7 4	20 12	16 12	163 121	22·73
Lincoln 3	Horncastle	17 16	17 14	23 19	13 10	8 4	10 9	14 8	2 0	10 8	6 3	15 9	18 12	153 112	22·61
Nottingham 5	Mansfield (Carr Bank)	15 14	13 11	23 23	12 9	9 7	11 8	14 11	1 1	12 8	4 3	14 10	16 12	144 117	24·03
Cheshire 2	Middlewich (Bostock Hall) ...	15 13	12 6	23 23	14 13	15 13	13 7	13 10	2 2	13 13	7 5	17 16	10 10	154 131	26·16
Cheshire 3	Birkenhead (Bidston Obsy.) ..	15 12	7 5	25 19	11 9	18 13	15 11	16 10	4 3	16 13	12 6	21 16	17 12	177 129	29·06
N. Lancs. ...5	Blackpool (Stanley Park)	17 14	6 4	25 22	16 11	21 18	15 13	18 11	3 3	17 12	13 7	18 17	16 13	185 145	33·89
Yorks., W.R. 8	Wakefield (Clarence Park) ...	21 14	22 18	27 23	15 8	16 11	15 10	18 12	4 2	12 6	11 5	19 10	20 12	200 131	28·55

Table 2B Number of " Rain-days " (·01 in. or more) and of " Wet-days " (·04 in. or more) in 1947 (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rain-fall
ENGLAND AND WALES (*continued*)															in.
Yorks., E.R..3	Hull (Pearson Park)	20 11	17 11	24 18	10 9	9 6	10 7	10 8	4 1	14 9	11 4	15 10	20 14	164 108	20·04
Yorks., N.R. 2	Felixkirk (Mount St. John) ...	22 14	20 14	24 17	12 9	16 11	15 10	17 11	3 2	12 8	12 4	15 12	18 12	186 124	25·38
Yorks., N.R. 5	Scarborough	19 12	19 13	24 21	11 10	10 7	13 8	14 10	3 3	12 10	9 6	16 13	18 9	168 122	19·78
North'land .3	Newcastle (Leazes Park)	20 12	17 11	25 18	11 6	15 10	16 9	17 9	2 0	14 8	12 7	16 13	17 11	182 114	25·48
North'land .6	Ilderton (Lilburn Tower Gdns.)	20 18	14 13	20 19	17 13	13 9	15 14	11 10	2 2	14 8	13 7	16 14	16 11	171 138	32·58
Cumberland 1	Geltsdale	15 14	12 10	21 16	20 15	16 13	22 18	20 17	1 0	20 16	15 7	16 14	15 13	193 153	34·74
Cumberland 2	Keswick (High Hill)	17 14	10 7	19 19	20 16	20 14	16 14	17 15	1 0	19 16	10 7	16 15	17 15	182 152	55·08
Cumberland 3	Ravenglass (The Grove).....	16 15	4 4	23 20	19 15	21 18	18 13	19 18	3 2	15 12	12 8	17 16	15 11	182 152	37·91
Glamorgan .6	Treherbert (Tyn-y-waun)	22 19	12 9	26 24	20 16	19 12	16 13	16 13	4 4	17 15	13 8	22 20	16 13	203 166	79·88
Carmarthen .2	Llanddeusant (Pontcrynfe) ...	22 16	10 9	25 24	19 15	19 14	20 12	19 16	3 3	17 11	11 9	26 20	18 14	209 163	51·73
Pembroke ..4	St. Ann's Head	19 15	11 8	25 24	16 13	20 18	17 15	15 11	3 2	16 12	9 6	27 20	15 14	193 158	44·83
Cardigan....2	Aberystwyth (P.B.S.)	15 13	8 5	23 20	16 12	20 11	18 12	23 16	5 4	18 14	12 7	22 15	19 14	199 143	34·84
Radnor 1	Birmingham W.W. (Tyrm'dd).	24 14	15 9	28 26	18 14	22 18	18 13	19 13	5 2	20 14	15 7	23 21	20 15	227 166	55·33
Merioneth ..1	Bala (Tegid Street)	18 15	8 8	23 22	15 13	21 15	15 13	21 17	5 2	17 14	11 6	20 19	16 15	190 159	48·69
Anglesey	Llanerchymedd (Llwydiarth Esgob.)	21 16	8 7	22 22	16 14	19 16	17 15	18 13	4 4	15 13	6 5	21 21	13 12	180 158	38·51
England and Wales	**(Mean of 48 Stations) .....**	**18 14**	**12 8**	**24 20**	**15 11**	**15 11**	**14 11**	**15 11**	**3 2**	**13 9**	**8 5**	**17 12**	**16 12**	**170 126**	..
	Average (1881-1915)	**18 ..**	**15 ..**	**16 ..**	**14 ..**	**14 ..**	**13 ..**	**14 ..**	**16 ..**	**13 ..**	**18 ..**	**18 ..**	**19 ..**	**188 ..**	..
ISLE OF MAN	Douglas (Borough Cemetery)	18 16	10 6	24 22	18 15	21 19	17 15	20 15	2 2	20 13	12 7	21 18	17 11	200 159	43·94
SCOTLAND															
Kirkcudb'ght 5	Lochrutton (Dumfries W.W.)	20 14	6 3	19 19	21 17	22 19	23 19	19 15	2 1	19 13	18 10	16 15	13 12	198 157	46·45
Peebles 2	Stobo Castle	18 15	14 12	18 14	18 18	19 13	20 18	17 13	1 0	24 14	18 9	19 15	17 14	203 155	36·70
Berwick 4	Marchmont House	21 16	19 15	23 19	20 15	18 14	23 14	17 14	1 1	14 8	15 10	15 13	17 9	203 148	29·93
Lanark 5	Strathaven (Dungavel)	20 16	16 7	23 15	24 18	23 19	21 19	20 15	1 1	23 19	22 10	18 16	23 13	234 168	40·90
Ayr 8	Colmonell (Knockdolian)	16 14	3 3	18 14	21 16	21 16	19 14	20 16	1 1	19 15	11 8	18 16	10 9	177 142	38·84
Renfrew 3	Greenock (Prospect Hill)	16 14	6 5	17 16	24 19	22 19	20 17	18 13	0 0	22 17	17 11	19 16	18 12	199 159	59·97
Stirling 1	Falkirk (Arnotdale)	18 16	13 9	20 19	23 18	21 17	22 18	16 13	0 0	19 13	18 13	17 16	15 11	202 163	36·56
Argyll 11	Inveraray Castle Gardens ...	17 16	6 2	17 14	24 22	24 20	21 18	19 16	1 1	27 23	19 14	20 19	13 13	208 178	75·13
Argyll 14	Islay (Eallabus)	17 16	5 4	23 17	22 22	19 16	19 15	15 15	0 0	23 20	14 13	25 24	15 14	197 176	47·97
Argyll 14	Mull (Gruline).....	16 16	3 0	17 13	23 19	19 15	23 21	21 15	2 1	25 24	19 18	23 21	19 16	210 179	67·05

Table 2B Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in 1947. (*concluded*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rain-fall.
SCOTLAND (*continued*)															in.
Argyll 14	Tiree	17 15	4 2	17 12	24 22	21 16	21 18	22 13	5 3	27 21	16 13	25 21	19 14	218 170	39·05
Fife 3	Leuchars Airfield	21 16	18 14	18 17	16 11	18 13	19 14	9 6	4 3	13 8	13 9	16 11	15 10	180 132	26·61
Perth 11	Aberfeldy (Dall Avon)	21 16	16 5	19 17	20 18	17 15	20 12	13 10	1 1	15 10	17 13	18 15	15 10	192 142	41·28
Aberdeen ...1	Balmoral Castle Gardens	18 14	15 10	19 15	20 12	18 15	22 12	14 11	2 2	16 7	17 11	21 16	14 13	196 138	31·32
Aberdeen ...2	Aberdeen Observatory	18 15	16 10	22 14	16 11	13 11	18 6	11 8	0 0	20 10	16 10	19 16	17 14	186 125	26·25
Aberdeen ...4	Peterhead (Forehill Works) ..	17 13	16 12	20 13	17 8	14 8	17 8	10 5	2 0	20 15	13 9	24 22	18 13	188 126	24·00
Moray 2	Fochabers (Gordon Castle)...	16 10	11 8	15 12	13 7	11 7	17 12	7 6	3 2	18 11	12 10	23 19	12 10	158 114	26·30
Inverness ...2	Dalwhinnie	12 12	12 6	14 11	23 21	17 13	19 18	13 13	0 0	16 15	13 12	22 20	10 10	171 151	46·90
Inverness ...6	Loch Ness (Garthbeg)	20 13	8 3	14 9	26 21	17 11	20 16	13 11	2 1	25 19	16 13	25 22	19 12	205 151	40·85
Inverness ..17	Fort William (Teviot)	16 13	2 1	13 9	25 23	19 16	24 20	19 15	1 0	27 24	17 16	22 20	16 13	201 170	69·72
Inverness ..18	Skye (Portree)	18 13	4 3	17 12	27 25	19 15	21 18	23 18	4 0	26 25	18 17	27 25	18 14	222 185	58·85
R'&Cromarty 3	Fortrose	15 8	6 5	16 9	15 12	14 8	22 15	11 9	4 2	23 13	17 10	30 21	18 11	191 123	24·00
R'&Cromarty 7	Ullapool	11 8	6 4	19 8	22 19	14 8	16 14	10 8	4 0	25 19	18 12	27 25	19 15	191 140	34·61
R'&Cr'm'rty 10	Stornoway Airfield	16 12	12 5	21 10	27 19	16 11	21 15	19 14	7 4	27 23	17 15	27 25	18 18	228 171	39·95
Sutherland ..3	Kinbrace (Auchintoul)	20 15	9 9	20 15	25 21	16 10	19 16	15 8	2 1	24 18	19 13	30 26	23 18	222 170	34·82
Sutherland ..5	Loch More (Achfary).....	17 15	5 4	21 17	26 22	15 10	24 20	16 12	5 4	28 27	21 18	28 26	24 19	230 194	72·57
Caithness ...3	Thurso (Buckies).....	17 15	15 13	18 13	23 14	10 7	20 14	8 5	3 3	20 18	19 15	29 26	23 21	205 164	30·69
Scotland	**(Mean of 27 Stations) .....**	**17 14**	**10 6**	**18 14**	**22 17**	**18 13**	**20 16**	**15 12**	**2 1**	**22 17**	**17 12**	**22 20**	**17 13**	**200 155**	..
	Average (1881-1915)	**20 ..**	**18 ..**	**19 ..**	**16 ..**	**16 ..**	**15 ..**	**18 ..**	**19 ..**	**17 ..**	**19 ..**	**19 ..**	**21 ..**	**217 ..**	..
NORTHERN IRELAND															
Fermanagh .1	Newtownbutler (Crom Castle)	16 12	11 6	22 19	22 15	22 17	18 16	19 11	6 5	20 14	13 10	25 18	19 12	213 155	36·69
Armagh 5	Armagh Observatory	16 14	11 6	21 16	19 15	20 15	18 15	19 13	3 3	17 13	9 9	19 18	15 12	187 149	34·24
Down 2	Seaforde	20 15	16 9	21 15	20 16	20 14	20 18	18 14	3 2	23 14	14 6	24 16	15 13	214 152	44·84
Antrim 5	Ballymena (Harryville)	21 15	20 10	22 20	23 14	23 15	23 17	23 21	4 3	25 18	15 8	25 20	23 15	247 176	40·09
Londond'ry .5	Londonderry (Creggan Res.)..	21 13	15 5	24 15	26 24	21 14	25 19	23 20	7 3	30 20	23 12	28 26	22 17	265 188	43·68
Tyrone 3	Omagh (Edenfel)	14 12	9 5	21 19	19 19	19 15	20 19	21 16	4 3	25 18	16 10	24 21	19 13	211 170	43·30
Northern Ireland	**(Mean of 6 Stations) .....**	**18 14**	**14 7**	**22 17**	**22 17**	**21 15**	**21 17**	**20 16**	**4 3**	**23 16**	**15 9**	**24 20**	**9 14**	**223 165**	..

3 Absolute Droughts, Partial Droughts and Dry Spells in 1947

THE FOLLOWING definitions have been used in *British Rainfall* in order to obtain a homogeneous series of statistics :

An **absolute drought** is a period of at least 15 consecutive days to none of which is credited ·01 inch of rain or more.

A **partial drought** is a period of at least 29 consecutive days, the mean daily rainfall of which does not exceed ·01 inch.

A **dry spell** is a period of at least 15 consecutive days to none of which is credited ·04 inch of rain or more.

These terms are used in *British Rainfall* only in the senses stated. More concise definitions of two of these terms would be:— An *absolute drought* is a period of at least 15 days, none of which is a rain-day; a *dry spell* is a period of at least 15 days, none of which is a wet-day. The definitions of absolute drought and partial drought were introduced in *British Rainfall*, 1887, while that of dry spell was first used in *British Rainfall*, 1919.

Details are given in Table 3C of the absolute droughts, partial droughts and dry spells which occurred at the 82 selected stations of Table 2A. The monthly totals at these stations are included in Table 8C.

Every station provided at least one entry under one or other of the headings absolute drought, partial drought or dry spell.

In Tables 3A and 3B, the total number of droughts and dry spells recorded at the 82 stations in 1947 are compared with those for 1943–1946. The number of absolute droughts, 114, is a record in the 8 years for which comparable statistics exist, the nearest approach to this number being 96 in 1942. The number of partial droughts, 128, also is a record ; in 1942 there were 113. The number of dry spells in 1947 (179) was exceeded in 1941 (196) and 1942 (206).

Only three of the 82 stations, viz. Fortrose, Stornoway and Londonderry, failed to record an absolute drought in 1947. The most widely reported drought of the year occurred between July 29 and September 16. Only four stations (three of them in Scotland) failed to record a drought in this period. Three stations in the south of England reported two droughts, separated by only one day with rain (August 20) so that there were thus 81 droughts recorded in the period at 78 stations. The longest drought of the year was of 44 days duration at Wellingborough. Not since the famous spring drought of 1893 has so long a period of absolute drought been recorded in the British Isles. A winter drought was reported from 17 stations in Scotland, north-west England and Wales between January 17 and February 25. Ten stations, mostly on or near the east or south-east coast recorded up to 29 days drought between September 23 and October 21. Shoeburyness alone had a drought in April, Lowestoft and Hull in May, and Fordingbridge, Bath and Teignmouth in December.

Only three stations, St. Austell, Tresco (Scilly) and Newtownbutler failed to record a partial drought in 1947. Of the 128 partial droughts reported, no less than 106 fell in the period July 10 to November 9. Of the 106, 79 ended on or before September 18

while the other 27 began on or after that date. The July–September drought was experienced over the whole of Great Britain and Northern Ireland but the September–November drought was confined to England, mostly the east and south-east. Over Scotland, and locally in the north of England and Northern Ireland, there was a partial drought from about mid-January to mid-March. At Fort William it lasted 62 days. The longest partial drought persisted from July 29 to November 8, a period of 103 days. The only year with a longer partial drought was 1893 when stations in the south of England recorded up to 114 days from the beginning of March to about June 21.

Stornoway alone among the selected stations failed to record at least one dry spell in 1947. Of the total of 179 dry spells, 86 occurred between July 17 and September 16 and these were distributed over the whole country. This was followed by another dry spell, September 18–November 8, which affected 27 stations mostly in east and south-east England. A dry spell between January 13 and March 19 was reported from 48 stations, mostly in western districts of Britain and in Northern Ireland. Eleven widely separated stations, including Teignmouth, Douglas and Omagh recorded dry spells in December. The longest dry spell of the year lasted 53 days and was recorded at Rothamsted from July 20 to September 10. This is the longest recorded since 1929 when at Great Wakering, near Shoeburyness, there was a dry spell of 53 days, from February 10 to April 3.

A summary of droughts experienced in the British Isles 1906–1940 was published in the *Meteorological Magazine*, Vol. 76, 1947, pp. 201–5.

Table 3A Droughts at 82 Stations, 1943–1947

Year	ABSOLUTE DROUGHTS*				PARTIAL DROUGHTS†			
	Number at 82 Stations	Mean Duration	Longest	Stations without one	Number at 82 Stations	Mean Duration	Longest	Stations without one
		Days	Days			Days	Days	
1943	61	21	41	47	50	48	79	34
1944	25	17	21	62	42	41	66	52
1945	33	19	24	55	58	33	44	41
1946	57	17	25	36	50	34	59	42
1947	114	25	44	3	128	43	103	3

* 15 days without a " rain-day "

† 29 days averaging not more than ·01 inch

Table 3B Dry Spells‡ at 82 Stations, 1943–1947

Year	Number at 82 Stations	Mean Duration	Longest Spell	Number of Stations with			
				None	1 or 2	3 or 4	5 or more
		Days	Days				
1943	129	22	47	28	27	27	0
1944	96	19	37	41	27	9	5
1945	125	20	35	14	52	16	0
1946	132	18	29	10	60	12	0
1947	179	25	53	1	51	30	0

‡ 15 days without a " wet-day "

Table 3c Droughts and Dry Spells in 1947

County and River Division	Station	Absolute Droughts			Partial Droughts				Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
ENGLAND AND WALES				days			days	in.			days	in.
London 2	St. Pancras (Camden Square) ..	..	..	..	..	..	..	..	Jan. 13	Jan. 27	15	·14
		Aug. 5	Sept. 6	33	July 18	Sept. 16	61	·52	Aug. 5	Sept. 11	38	·04
		..	..	..	Sept. 18	Nov. 8	52	·50	Sept. 23	Oct. 21	29	·04
Kent 1	Folkestone (Cherry Garden) ..	..	..	..	..	..	..	..	May 3	May 22	20	·11
		Aug. 6	Sept. 6	32	July 20	Sept. 16	59	·47	July 29	Sept. 12	46	·05
		Sept. 30	Oct. 21	22	Sept. 23	Oct. 21	29	·19	Sept. 25	Oct. 21	27	·05
Sussex 3	Worthing (Beach House Park) .	Aug. 5	Sept. 6	33	Aug. 5	Sept. 16	43	·18	Aug. 5	Sept. 6	33	·00
		Sept. 30	Oct. 20	21	Sept. 20	Oct. 21	32	·11	Sept. 21	Oct. 20	30	·03
Hampshire 1	Ventnor (Royal National Hosp.)	..	..	..	..	..	..	..	July 17	July 31	15	·11
		Aug. 21	Sept. 6	17	Aug. 5	Sept. 11	38	·32	Aug. 21	Sept. 6	17	·00
Hampshire 1	Totland Bay (Aston House) ...	Aug. 5	Aug. 19	15	Aug. 5	Sept. 15	42	·30	Aug. 5	Aug. 19	15	·00
		Aug. 21	Sept. 6	17	..	..	..	..	Aug. 21	Sept. 6	17	·00
		Sept. 23	Oct. 8	16	Sept. 18	Oct. 20	33	·32	Sept. 20	Oct. 8	19	·05
Hampshire 3	Fordingbridge (Oaklands)	..	..	..	..	..	..	..	Feb. 9	Mar. 3	23	·03
		Aug. 6	Sept. 6	32	Aug. 5	Sept. 15	42	·39	Aug. 5	Sept. 6	33	·01
		Sept. 23	Oct. 7	15	Sept. 20	Oct. 20	31	·12	Sept. 20	Oct. 8	19	·03
		Dec. 8	Dec. 23	16	..	..	..	..	Dec. 8	Dec. 23	16	·00
Hampshire 7	Selborne (The Wakes)	..	..	..	..	..	..	..	July 17	Aug. 1	16	·06
		Aug. 5	Sept. 3	30	Aug. 5	Sept. 11	38	·34	Aug. 5	Sept. 3	30	·00
		..	..	..	Sept. 21	Oct. 21	31	·20	Sept. 23	Oct. 7	15	·01
Hertford 2	Harpenden (Rothamsted)	..	..	..	..	..	..	..	Jan. 15	Feb. 1	18	·11
		Aug. 6	Sept. 10	36	July 20	Sept. 16	59	·37	July 20	Sept. 10	53	·10
		..	..	..	Sept. 21	Nov. 8	49	·27	Sept. 21	Nov. 1	42	·12
Hertford 3	Royston (Therfield Rectory) ..	Aug. 6	Sept. 7	33	July 17	Sept. 16	62	·46	July 29	Sept. 11	45	·08
		..	..	..	Sept. 21	Nov. 8	49	·38	Sept. 21	Oct. 12	22	·13
		..	..	..	..	..	..	..	Oct. 14	Nov. 1	19	·05
Oxford 3	Oxford (Radcliffe Met. Stn.) ..	Aug. 5	Sept. 10	37	Aug. 5	Sept. 15	42	·34	Aug. 5	Sept. 10	37	·00
		..	..	..	Sept. 20	Oct. 20	31	·28	Sept. 21	Oct. 7	17	·05
Northampton..4	Wellingborough (Swanspool)..	July 29	Sept. 10	44	July 20	Sept. 10	53	·49	July 29	Sept. 10	44	·00
		..	..	..	Sept. 23	Nov. 8	47	·45	..	..	..	..
Huntingdon ...1	Whittlesea Mere	Aug. 6	Sept. 10	36	July 29	Sept. 18	52	·43	July 29	Sept. 10	44	·02
		..	..	..	Sept. 21	Nov. 9	50	·47	Oct. 18	Nov. 8	22	·07

Table 3c Droughts and Dry Spells in 1947 (*continued*)

County and River Division	Station	Absolute Droughts			Partial Droughts				Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
				days			days	in.			days	in.
Essex 3	Shoeburyness	April 8	April 22	15	..	..	..	..	April 8	April 22	15	·00
		Aug. 6	Sept. 16	42	Aug. 3	Sept. 16	45	·15	Aug. 6	Sept. 16	42	·00
		Sept. 23	Oct. 21	29	Sept. 21	Nov. 8	49	·49	Sept. 23	Oct. 21	29	·00
		..	..	..	..	..	..	..	Oct. 25	Nov. 8	15	·02
Suffolk 4	Lowestoft (Secondary School) .	May 11	May 25	15	May 4	June 7	35	·27	May 4	May 25	22	·03
		Aug. 8	Sept. 11	35	July 29	Nov. 8	103	1·00	Aug. 3	Sept. 16	45	·06
		Sept. 26	Oct. 13	18	..	..	..	..	Sept. 24	Oct. 13	20	·03
Norfolk.....3	Hunstanton	..	..	..	April 30	June 12	44	·42	..	..	..	..
		Aug. 6	Sept. 11	37	July 29	Sept. 16	50	·39	Aug. 6	Sept. 11	37	·00
		..	..	..	Sept. 21	Oct. 27	37	·36	Sept. 24	Oct. 13	20	·06
Norfolk.....4	Thetford Waterworks	Aug. 6	Sept. 1	27	July 10	Sept. 16	69	·66	Aug. 3	Sept. 16	45	·08
		..	..	..	Sept. 24	Nov. 2	40	·35	Sept. 24	Oct. 12	19	·05
S. Devon 5	Teignmouth (Den Gardens) ...	Aug. 5	Aug. 19	15	Aug. 4	Sept. 5	33	·26	Aug. 5	Aug. 19	15	·00
		Aug. 21	Sept. 5	16	..	..	..	..	Aug. 21	Sept. 5	16	·00
		..	..	..	Sept. 20	Oct. 20	31	·20	Sept. 20	Oct. 7	18	·02
		Dec. 9	Dec. 23	15	..	..	..	..	Dec. 9	Dec. 24	16	·02
N. Devon 2	Barnstaple (N. Dev. Athenaeum)	..	..	..	..	..	..	..	Feb. 2	Feb. 19	18	·04
		Aug. 4	Sept. 5	33	July 26	Sept. 5	42	·36	Aug. 4	Sept. 5	33	·00
Cornwall.....1	Bude (School House)	Aug. 19	Sept. 5	18	July 25	Sept. 5	43	·39	Aug. 19	Sept. 5	18	·00
Cornwall.....2	St. Austell (Trevarna).....	Aug. 21	Sept. 4	15	..	..	..	..	Aug. 18	Sept. 4	18	·01
Cornwall.....4	Tresco Abbey	Aug. 21	Sept. 4	15	..	..	..	..	Aug. 21	Sept. 4	15	·00
Somerset 1	Bath (Henrietta Park)	Aug. 18	Sept. 6	20	Aug. 5	Sept. 11	38	·11	Aug. 5	Sept. 10	37	·04
		..	..	..	Sept. 21	Nov. 1	42	·41	..	..	..	..
		Dec. 8	Dec. 22	15	..	..	..	..	Dec. 8	Dec. 22	15	·00
Somerset 3	Trull (Wayside)	Aug. 5	Aug. 19	15	Aug. 4	Sept. 11	39	·32	Aug. 5	Sept. 10	37	·04
		Aug. 21	Sept. 6	17	..	..	..	..	..	..	..	..
		Sept. 23	Oct. 7	15	Sept. 20	Oct. 20	31	·25	Sept. 21	Oct. 8	18	·05
Hereford 1	Ross-on-Wye	Aug. 4	Sept. 10	38	Aug. 4	Sept. 16	44	·39	Aug. 4	Sept. 10	38	·00
		..	..	..	Sept. 21	Oct. 21	31	·23	Sept. 21	Oct. 20	30	·09
Shropshire 4	Shifnal (Hatton Grange)	Aug. 5	Sept. 10	37	Aug. 4	Sept. 16	44	·38	Aug. 4	Sept. 11	39	·05
		..	..	..	..	..	..	..	Dec. 8	Dec. 22	15	·03
Warwick 1	Warwick (Mill Street)	Aug. 5	Sept. 4	31	July 29	Sept. 16	50	·48	Aug. 4	Sept. 11	39	·06
		..	..	..	Sept. 22	Nov. 3	43	·36	Sept. 30	Oct. 21	22	·04
		..	..	..	..	..	..	..	Dec. 8	Dec. 25	18	·04

Table 3c Droughts and Dry Spells in 1947 (*continued*)

County and River Division	Station	Absolute Droughts			Partial Droughts				Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
				days			days	in.			days	in.
Leicester 4	Loughborough (Nanpantan Res.)	..	..	..	..	..	..	..	May 19	June 4	17	·03
		Aug. 4	Sept. 10	38	July 31	Sept. 15	47	·39	Aug. 4	Sept. 10	38	·00
		..	..	..	Sept. 21	Nov. 1	42	·41	..	..	..	..
Lincoln 3	Horncastle	Aug. 4	Sept. 10	38	July 17	Sept. 13	59	·58	July 29	Sept. 11	45	·06
		Sept. 23	Oct. 12	20	Sept. 21	Nov. 9	50	·38	Sept. 23	Oct. 12	20	·00
Nottingham ...5	Mansfield (Carr Bank)	..	..	..	..	..	..	..	May 19	June 4	17	·01
		Aug. 5	Sept. 6	33	July 25	Sept. 15	53	·38	Aug. 5	Sept. 10	37	·01
		..	..	..	Sept. 21	Nov. 9	50	·45	Sept. 21	Oct. 12	22	·04
Cheshire 2	Middlewich (Bostock Hall) ...	..	..	..	..	..	..	..	Feb. 10	Feb. 24	15	·02
		Aug. 6	Sept. 6	32	July 26	Sept. 6	43	·39	Aug. 6	Sept. 6	32	·00
Cheshire 3	Birkenhead (Bidston Obsy.) ...	..	..	..	Jan. 17	Feb. 24	39	·39	Jan. 17	Feb. 1	16	·04
		Feb. 10	Feb. 24	15	..	..	..	..	Feb. 10	Feb. 24	15	·00
		Aug. 6	Sept. 4	30	July 26	Sept. 10	47	·43	Aug. 5	Sept. 7	34	·06
		..	..	..	..	..	..	..	Dec. 8	Dec. 22	15	·04
N. Lancashire .5	Blackpool (Stanley Park)	..	..	..	Jan. 17	Feb. 24	39	·30	Jan. 17	Feb. 3	18	·03
		Feb. 10	Feb. 24	15	..	..	..	..	Feb. 10	Feb. 24	15	·00
		Aug. 5	Aug. 31	27	Aug. 4	Sept. 10	38	·35	Aug. 5	Sept. 7	34	·03
W.R. Yorks. ..8	Wakefield (Clarence Park).....	Aug. 6	Sept. 4	30	July 26	Sept. 11	48	·46	Aug. 6	Sept. 8	34	·01
		..	..	..	Sept. 21	Oct. 21	31	·31	Sept. 21	Oct. 12	22	·10
E.R. Yorks. ...3	Hull (Pearson Park)	May 15	June 4	21	..	..	..	..	May 15	June 4	21	·00
		Aug. 6	Sept. 4	30	Aug. 3	Sept. 15	44	·42	Aug. 3	Sept. 6	35	·11
		Sept. 24	Oct. 8	15	Sept. 21	Oct. 22	32	·28	Sept. 21	Oct. 12	22	·06
N.R. Yorks. ..2	Felixkirk (Mount St. John) ...	Aug. 5	Sept. 4	31	July 26	Sept. 11	48	·33	Aug. 5	Sept. 11	38	·02
		..	..	..	Sept. 21	Oct. 27	37	·35	Sept. 23	Oct. 8	16	·04
N.R. Yorks. ..5	Scarborough	Aug. 5	Aug. 30	26	Aug. 3	Sept. 11	40	·39	Aug. 5	Aug. 30	26	·00
		Sept. 24	Oct. 8	15	Sept. 21	Oct. 22	32	·32	Sept. 24	Oct. 8	15	·00
Northumber- 3 land	Newcastle (Leazes Park)	..	..	..	..	..	..	..	May 15	May 29	15	·02
		Aug. 7	Sept. 11	36	July 28	Sept. 15	50	·49	July 28	Sept. 11	46	·10
Northumber- 6 land	Ilderton (Lilburn Tower Gdns.)	Aug. 7	Sept. 3	28	July 27	Sept. 8	44	·34	Aug. 7	Sept. 8	33	·05
		..	..	..	Sept. 21	Oct. 22	32	·32	..	..	..	..
Cumberland ..1	Geltsdale	Aug. 4	Sept. 3	31	July 27	Sept. 6	42	·24	Aug. 4	Sept. 4	32	·02
Cumberland ..2	Keswick (High Hill)	Jan. 18	Feb. 1	15	..	..	..	..	Jan. 17	Feb. 1	16	·02
		..	..	..	..	..	..	..	Feb. 10	Feb. 24	15	·03
		Aug. 3	Sept. 5	34	July 27	Sept. 7	43	·19	July 28	Sept. 5	40	02

Table 3c Droughts and Dry Spells in 1947 (*continued*)

County and River Division	Station	Absolute Droughts			Partial Droughts				Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
				days			days	in.			days	in.
Cumberland ..3	Ravenglass (The Grove)	..	..	..	Jan. 17	Feb. 24	39	·24	Jan. 17	Feb. 1	16	·02
		Aug. 5	Sept. 5	32	July 27	Sept. 6	42	·32	Aug. 5	Sept. 5	32	·00
Glamorgan ...6	Treherbert (Tyn-y-waun)	Aug. 4	Aug. 22	19	Aug. 4	Sept. 8	36	·17	Aug. 4	Aug. 22	19	·00
		..	..	..	..	..	..	..	Aug. 24	Sept. 8	16	·03
Carmarthen ...2	Llanddeusant (Pontcrynfe)	Feb. 10	Feb. 24	15	..	..	..	..	Feb. 9	Feb. 24	16	·02
		Aug. 5	Sept. 4	31	Aug. 3	Sept. 10	39	·26	Aug. 5	Sept. 4	31	·00
Pembroke ... 4	St. Ann's Head	..	..	..	..	..	..	..	Aug. 17	Jan. 31	15	·04
		Aug. 5	Sept. 3	30	Aug. 2	Sept. 11	41	·38	Aug. 4	Sept. 3	31	·01
Cardigan.....2	Aberystwyth (P.B.S.)	Jan. 17	Jan. 31	15	Jan. 17	Feb. 25	40	·34	Jan. 17	Feb. 3	18	·05
		Feb. 10	Feb. 24	15	..	..	..	..	Feb. 10	Feb. 24	15	·00
		Aug. 6	Sept. 4	30	Aug. 4	Sept. 10	38	·26	Aug. 5	Sept. 4	31	·01
Radnor 1	Birmingham W.W. (Tyrmynydd)	..	..	..	..	..	..	..	Feb. 10	Feb. 24	15	·06
		Aug. 6	Sept. 4	30	Aug. 4	Sept. 10	38	·27	Aug. 4	Sept. 4	32	·04
Merioneth 1	Bala (Tegid Street)	Aug. 18	Sept. 4	18	Aug. 4	Sept. 10	38	·29	Aug. 18	Sept. 7	21	·01
Anglesey	Llanerchymedd (Llwydiarth Esgob)	Aug. 5	Sept. 6	33	Aug. 5	Sept. 10	37	·25	Aug. 5	Sept. 6	33	·00
Isle of Man	Douglas (Borough Cemetery) .	..	..	..	.	..	..	..	Jan. 17	Feb. 1	16	·06
		..	..	..	..	..	..	..	Feb. 10	Feb. 24	15	·05
		Aug. 5	Sept. 2	29	July 27	Sept. 6	42	·37	Aug. 5	Sept. 5	32	·01
		..	..	..	..	..	..	..	Dec. 8	Dec. 22	15	·07
SCOTLAND												
Kirkcudbright .5	Lochrutton (Dumfries W.W.) .	..	..	..	Jan. 17	Feb. 24	39	·29	Jan. 17	Feb. 3	18	·08
		..	..	..	..	..	..	..	Feb. 10	Feb. 24	15	·02
		Aug. 4	Sept. 1	29	July 27	Sept. 6	42	·35	Aug. 3	Sept. 6	35	·09
Peebles 2	Stobo Castle	Aug. 3	Sept. 2	31	July 27	Sept. 7	43	·31	July 27	Sept. 3	39	·08
Berwick.....4	Marchmont House	Aug. 3	Sept. 6	35	July 27	Sept. 8	44	·38	Aug. 3	Sept. 6	35	·00
Lanark 5	Strathaven (Dungavel)	Aug. 3	Sept. 3	32	July 27	Sept. 6	42	·37	Aug. 3	Sept. 3	32	·00
Ayr 8	Colmonell (Knockdolian)	Jan. 19	Feb. 8	21	Jan. 17	Mar. 6	49	·44	Jan. 17	Feb. 8	23	·01
		Feb. 10	Feb. 24	15	..	..	..	..	Feb. 10	Feb. 24	15	·00
		Aug. 3	Aug. 31	29	July 28	Sept. 7	42	·38	Aug. 3	Aug. 31	29	·00
		..	..	..	..	..	..	..	Dec. 8	Dec. 22	15	·03
Renfrew 3	Greenock (Prospect Hill)	Jan. 19	Feb. 3	16	Jan. 18	Feb. 24	38	·35	Jan. 18	Feb. 3	17	·01
		..	..	..	..	..	..	..	Feb. 10	Feb. 24	15	·02
		July 29	Sept. 2	36	July 29	Sept. 7	41	·31	July 29	Sept. 3	37	·01

Table 3c Droughts and Dry Spells in 1947 (*continued*)

County and River Division	Station	Absolute Droughts			Partial Droughts				Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
				days			days	in.			days	in.
Stirling 1	Falkirk (Arnotdale)	July 30	Sept. 3	36	July 22	Sept. 7	48	·42	July 30	Sept. 3	36	·00
Argyll 11	Inveraray Castle Gardens	..	..	..	Jan. 18	Mar. 5	47	·29	Jan. 19	Feb. 8	21	·08
		..	..	..	..	..	..	..	Feb. 11	Mar. 5	23	·03
		Aug. 3	Sept. 2	31	July 29	Sept. 3	37	·22	Aug. 3	Sept. 2	31	·00
Argyll 14	Islay (Eallabus)	Jan. 19	Feb. 2	15	Jan. 18	Feb. 24	38	·23	Jan. 19	Feb. 8	21	·03
		Feb. 10	Feb. 24	15	..	..	..	..	Feb. 10	Feb. 24	15	·00
		July 31	Sept. 2	34	July 29	Sept. 3	37	·18	July 31	Sept. 2	34	·00
Argyll 14	Mull (Gruline)	Jan. 19	Feb. 8	21	Jan. 19	Mar. 17	58	·56	Jan. 19	Mar. 2	43	·07
		Aug. 7	Sept. 2	27	July 29	Sept. 3	37	·17	Aug. 6	Sept. 2	28	·02
Argyll 14	Tiree	..	..	..	Jan. 18	Mar. 17	59	·58	Jan. 18	Feb. 8	22	·04
		Feb. 11	Feb. 25	15	..	..	..	..	Feb. 11	Mar. 2	20	·03
		Aug. 12	Sept. 2	22	July 24	Sept. 2	41	·39	Aug. 6	Sept. 2	28	·03
Fife 3	Leuchars (Airfield)	Aug. 18	Sept. 3	17	Aug. 7	Sept. 10	35	·30	Aug. 7	Sept. 3	28	·02
Perth 11	Aberfeldy (Dall Avon)	Aug. 3	Sept. 3	32	July 29	Sept. 7	41	·26	Aug. 3	Sept. 3	32	·00
		..	..	..	..	..	..	..	Sept. 21	Oct. 6	16	·04
Aberdeen 1	Balmoral Castle Gardens.....	Aug. 6	Sept. 3	29	Aug. 6	Sept. 7	33	·11	Aug. 6	Sept. 3	29	·00
Aberdeen 2	Aberdeen Observatory	July 31	Sept. 2	34	July 12	Sept. 3	54	·54	July 31	Sept. 3	35	·01
Aberdeen 4	Peterhead (Forehill Works) ...	Aug. 17	Sept. 2	17	July 6	Sept. 3	60	·56	July 29	Sept. 3	37	·06
Moray 2	Fochabers (Gordon Castle) ...	Aug. 7	Sept. 2	27	Aug. 6	Sept. 7	33	·14	Aug. 6	Sept. 3	29	·03
Inverness 2	Dalwhinnie.....	..	..	..	Feb. 3	Mar. 17	43	·41	Feb. 10	Feb. 26	17	·08
		July 29	Sept. 3	37	July 29	Sept. 7	41	·15	July 29	Sept. 3	37	·00
Inverness 6	Loch Ness (Garthbeg)	..	..	..	Jan. 18	Mar. 19	61	·55	Jan. 26	Feb. 25	31	·07
		..	..	..	..	..	..	..	Mar. 1	Mar. 19	19	·04
		Aug. 6	Aug. 29	24	July 29	Aug. 29	32	·01	July 29	Aug. 29	32	·01
Inverness 17	Fort William (Teviot).....	Jan. 19	Feb. 8	21	Jan. 18	Mar. 20	62	·44	Jan. 19	Feb. 25	38	·01
		Feb. 10	Feb. 25	16	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	Feb. 27	Mar. 14	16	·02
		Aug. 7	Sept. 2	27	July 29	Sept. 3	37	·02	July 29	Sept. 3	37	·02
Inverness 18	Skye (Portree)	Jan. 29	Feb. 22	25	Jan. 18	Feb. 27	41	·37	Jan. 19	Feb. 23	36	·04
		..	..	..	July 25	Sept. 2	40	·25	July 29	Sept. 1	35	·09
Ross and Cromarty 3	Fortrose	..	..	..	Jan. 16	Feb. 25	41	·36	Jan. 18	Feb. 8	22	·07
		..	..	..	July 29	Sept. 1	35	·31	Aug. 6	Sept. 1	27	·02
Ross and Cromarty 7	Ullapool	..	..	..	Jan. 18	Feb. 25	39	·31	Jan. 18	Feb. 8	22	·08
		Aug. 12	Aug. 31	20	July 17	Sept. 3	49	·39	July 22	Sept. 1	42	·13

Table 3c Droughts and Dry Spells in 1947 (*concluded*)

County and River Division	Station	Absolute Droughts			Partial Droughts				Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
				days			days	in.			days	in.
Ross and Cromarty **10**	Stornoway Airfield	..	..	..	Jan. 18	Feb. 24	38	·35	..	..	..	..
		..	..	..	Aug. 4	Sept. 1	29	·27	..	..	..	..
Sutherland **3**	Kinbrace (Auchintoul)	Aug. 7	Sept. 1	26	July 22	Sept. 1	42	·27	Aug. 6	Sept. 1	27	·03
Sutherland **5**	Loch More (Achfary)	Feb. 3	Feb. 22	20	Jan. 18	Feb. 22	36	·19	Jan. 28	Feb. 22	26	·03
		Aug. 12	Aug. 31	20	July 26	Aug. 31	37	·28	Aug. 12	Aug. 31	20	·00
Caithness **3**	Thurso (Buckies)	Aug. 12	Sept. 1	21	July 22	Sept. 1	42	·20	Aug. 12	Sept. 1	21	·00
NORTHERN IRELAND												
Fermanagh ...**1**	Newtownbutler (Crom Castle) .	..	..	..	..	..	..	..	Jan. 17	Jan. 31	15	·01
		Aug. 6	Aug. 21	16	..	..	..	..	Aug. 4	Aug. 21	18	·01
		..	..	..	..	..	..	..	Sept. 23	Oct. 7	15	·10
		..	..	..	..	..	..	..	Dec. 8	Dec. 22	15	·06
Armagh **5**	Armagh (Observatory)	..	..	..	..	..	..	..	Feb. 10	Feb. 24	15	·01
		Aug. 6	Sept. 3	29	Aug. 3	Sept. 7	36	·35	Aug. 6	Sept. 5	31	·03
Down **2**	Seaforde	..	..	..	..	..	..	..	Jan. 17	Jan. 31	15	·07
		Aug. 5	Sept. 2	29	Aug. 3	Sept. 10	39	·31	Aug. 3	Sept. 3	32	·04
		..	..	..	..	..	..	..	Dec. 8	Dec. 22	15	·04
Antrim **5**	Ballymena (Harryville)	Aug. 6	Aug. 23	18	Aug. 3	Sept. 7	36	·29	Aug. 6	Sept. 3	29	·03
Londonderry ..**5**	Londonderry (Creggan Res.) ..	..	..	..	..	..	..	..	Jan. 18	Feb. 3	17	·16
		..	..	..	..	..	..	..	Feb. 10	Feb. 24	15	·04
		..	..	..	Aug. 3	Sept. 2	31	·22	Aug. 6	Sept. 2	28	·09
Tyrone **3**	Omagh (Edenfel)	..	..	..	Jan. 17	Feb. 24	39	·22	Jan. 17	Feb. 1	16	·02
		..	..	..	..	..	..	..	Feb. 10	Feb. 24	15	·01
		Aug. 6	Aug. 29	24	Aug. 3	Sept. 5	34	·32	Aug. 6	Sept. 2	28	·03
		..	..	..	..	..	..	..	Dec. 8	Dec. 22	15	·10

4 Rain Spells and Wet Spells in 1947

THE definitions of the terms "rain spell" and "wet spell" as used in this section, are analogous to those of the terms "absolute drought" and "dry spell" which are used in the previous section. Thus:

A **rain spell** is a period of at least 15 consecutive days to each of which is credited ·01 inch of rain or more.

A **wet spell** is a period of at least 15 consecutive days to each of which is credited ·04 inch of rain or more.

In other words, a *rain spell* contains at least 15 consecutive rain-days and a *wet spell* contains at least 15 consecutive wet days.

Table 4C contains particulars of all rain spells and wet spells* during 1947 which were reported from the 82 selected stations of Table 2B. Stations from which no rain spells or wet spells were reported are omitted from this table. The number of stations omitted is 26, of which 16 are in England and 10 in Scotland.

In 1947 the total number of rain spells at the selected stations was 82 and of these 21 ranked as or included wet spells.

The longest rain spell, 34 days with 6·77 inches of rain, was recorded at Kinbrace, Sutherland, from October 28 to November 30. Rain spells of shorter duration, but appreciably greater intensity, were widely reported, the outstanding example being at Treherbert, Glamorgan, where in a spell of 26 days from March 9 to April 3 there was 15·31 inches of rain, or a mean daily fall of ·59 inch.

The total number of rain spells is the lowest recorded since 1941, when there were only 43 in the Table. Of the 82 in 1947, 18 fell between December 19 (1946) and February 11, 32 between March 7 and April 8, and 14 between October 28 and December 1. One spell in late April and early May and another in September occurred at 8 and 9 stations respectively. Between May 16 and August 30 only one station reported a rain spell, *viz.* Ballymena, Co. Antrim, where a spell lasting 16 days was recorded from June 27 to July 12. Ballymena was the only station with so many as 4 rain spells in 1947.

All except one of the 21 wet spells in 1947 were in Scotland and the west, and none occurred between May 5 and August 31. The first wet spell, which began in late December (1946) and ended in the middle of January was recorded at five stations, one on each of the islands of Islay, Man, Anglesey and Tresco (Scilly), and the other at St. Austell. Oxford and six stations in the south-west recorded a wet spell between March 9 and 31. The year's remaining wet spells, in April–May, September and November, were recorded at 2, 3 and 4 stations respectively. The longest wet spell, 25 days with 6·13 inches, was at Islay from December 20 (1946) to January 13.

A comparison of rain spells and wet spells recorded in 1947 with those for the years 1943–46 is given in Tables 4A and 4B.

* The precise procedure adopted in the allocation of rain spells or wet spells which cover parts of two years is set out in the footnote on page 25, *British Rainfall*, 1926.

Table 4A Rain Spells* at 82 stations, 1943–1947

Year	No. of rain spells	DURATION OF SPELLS				STATIONS WITH			
		Mean		Longest		None	1 or 2	3 or 4	5 or more
		Days	Mean rain per day	Days	Mean rain per day				
			in.		in.				
1943 ..	98	22	·27	42	·28	42	26	9	5
1944 ..	95	21	·26	67	·19	35	35	10	2
1945 ..	86	19	·26	40	·24	35	37	9	1
1946 ..	134	21	·28	42	·18	22	42	15	3
1947 ..	82	20	·26	34	·20	26	48	8	0

* At least ·01 inch each day for 15 days or more

Table 4B Wet Spells† at 82 stations, 1943–1947

Year	No. of wet spells	DURATION OF SPELLS				STATIONS WITH			
		Mean		Longest		None	1 or 2	3 or 4	5 or more
		Days	Mean rain per day	Days	Mean rain per day				
			in.		in.				
1943 ..	15	21	·37	26	·63	71	10	1	0
1944 ..	21	18	·63	25	·49	66	16	0	0
1945 ..	22	16	·35	20	·41	65	17	0	0
1946 ..	42	19	·38	37	·40	57	22	3	0
1947 ..	21	17	·35	25	·25	64	18	0	0

† At least ·04 inch each day for 15 days or more

Table 4c Rain Spells and Wet Spells in 1947

County and River Division	Station	Rain Spells*				Wet Spells†				Max. in a Day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date	Rain
ENGLAND				days	in.			days	in.		in.
Hampshire ...1	Ventnor (Royal National Hosp.) .	Mar. 8	Mar. 22	15	4·43	..	..	..	..	Mar. 10	·87
Hampshire ...1	Totland Bay (Aston House)	Mar. 9	April 3	26	5·43	..	..	..	..	Mar. 10	·83
Hampshire ...3	Fordingbridge (Oaklands)	Mar. 20	April 3	15	3·14	..	..	..	..	Mar. 22	·63
Hampshire ...7	Selborne (The Wakes)	Mar. 15	Mar. 31	17	3·01	..	..	..	..	Mar. 15	·76
Hertford 2	Harpenden (Rothamsted)	Mar. 15	Mar. 31	17	2·62	..	..	..	..	Mar. 29	·89
Hertford 3	Royston (Therfield Rectory) . ..	Mar. 15	April 8	25	3·40	..	..	..	..	Mar. 29	·74
Oxford 3	Oxford (Radcliffe Met. Station) .	Jan. 23	Feb. 6	15	·99	.	..	..	..	Feb. 3	·28
		Mar. 12	April 3	23	3·62	Mar. 15	Mar. 29	15	2·20	Mar. 12	·78
Northampton.4	Wellingborough (Swanspool)	Mar. 19	April 3	16	1·59	..	..	..	..	April 3	·31
Norfolk.....4	Thetford Waterworks	Mar. 15	April 8	25	2·71	..	..	..	..	Mar. 29	·55
S. Devon 5	Teignmouth (Den Gardens)	Mar. 9	Mar. 23	15	5·82	..	..	..	..	Mar. 12	1·20
N. Devon ...2	Barnstaple (N. Dev. Athenaeum)	Mar. 9	Mar. 23	15	3·45	..	..	..	..	Mar. 12	·66
Cornwall.....1	Bude (School House)	Mar. 9	Mar. 31	23	5·17	Mar. 9	Mar. 30	22	5·14	Mar. 30	·69
Cornwall.....2	St. Austell (Trevarna)...	28, xii '46	Jan. 14	18	4·69	29, xii '46	Jan. 13	16	4·66	Jan. 5	·88
		Mar. 7	Mar. 31	25	9·59	Mar. 9	Mar. 23	15	6·90	Mar. 9	1·15
Cornwall.. ..4	Tresco Abbey	28, xii '46	Jan. 13	17	4·11	29, xii '46	Jan. 13	16	4·10	Jan. 3	·85
		Jan. 28	Feb. 11	15	4·86	..	..	..	..	Feb. 10	·86
		Mar. 9	April 3	26	6·56	..	..	..	..	Mar. 12	·84
Somerset 3	Trull (Wayside)	Mar. 9	April 8	31	6·59	Mar. 9	Mar. 23	15	4·39	April 5	·79
Hereford 1	Ross-on-Wye	Mar. 12	Mar. 29	18	3·34	..	..	..	..	Mar. 12	·82
Warwick 1	Warwick (Mill Street)	Mar. 15	April 3	20	3·49	..	..	..	..	Mar. 21	·53
Cheshire 3	Birkenhead (Bidston Observatory)	Nov. 8	Nov. 24	17	2·93	..	..	..	..	Nov. 11	·72
N. Lancashire 5	Blackpool (Stanley Park)	Jan. 1	Jan. 16	16	3·24	..	..	..	..	Jan. 16	·51
		Mar. 15	April 1	18	2·76	..	..	..	..	Mar. 23	·40
W.R. Yorks. .8	Wakefield (Clarence Park).....	Mar. 12	April 2	22	4·47	..	..	..	..	Mar. 12	1·46
E.R. Yorks...3	Hull (Pearson Park)	Mar. 15	April 1	18	2·62	..	..	..	..	Mar. 23	·36
N.R. Yorks. .2	Felixkirk (Mount St. John)	Mar. 12	Mar. 31	20	3·92	..	..	..	..	Mar. 12	·81
N'humberl'd .3	Newcastle (Leazes Park)	Jan. 21	Feb. 6	17	1·70	..	..	..	..	Feb. 5	·58
Cumberland .1	Geltsdale	April 20	May 6	17	3·67	..	..	..	..	April 21	1·21
Cumberland .2	Keswick (High Hill)	30, xii '46	Jan. 17	19	7·42	..	..	..	..	Jan. 16	1·40
		April 18	May 8	21	9·55	..	..	..	..	April 21	2·90
WALES											
Glamorgan ..6	Treherbert (Tyn-y-waun)	Mar. 9	April 3	26	15·31	Mar. 12	Mar. 29	18	13·68	Mar. 12	2·90

* At least 15 days, each credited with ·01 inch or more

† At least 15 days, each credited with ·04 inch or more

Table 4c Rain Spells and Wet Spells in 1947 (*continued*)

County and River Division	Station	Rain Spells*				Wet Spells†				Max. in a Day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date	Rain
WALES (*continued*)				days	in.			days	in.		in.
Carmarthen ..2	Llanddeusant (Pontcrynfe)	21, xii '46	Jan. 17	28	9·81	..	..	..	..	22, xii '46	1·69
		Mar. 9	April 3	26	10·72	Mar. 9	Mar. 30	22	10·38	Mar. 12	1·65
		Oct. 31	Nov. 26	27	5·99	..	..	..	..	Nov. 21	·73
Pembroke ... 4	St. Ann's Head	Jan. 1	Jan. 16	16	5·91	..	..	..	..	Jan. 3	1·56
Cardigan.....2	Aberystwyth (P.B.S.)	Mar. 15	April 3	20	3·59	..	..	..	..	Mar. 23	·60
		Nov. 8	Nov. 25	18	3·95	..	..	..	..	Nov. 14	1·02
Radnor 1	Birmingham W.W. (Tyrmynydd) .	21, xii '46	Jan. 17	28	9·53	..	..	..	..	22, xii '46	1·28
		Mar. 7	April 1	26	11·96	Mar. 15	Mar. 31	17	8·69	Mar. 18	1·66
		Nov. 8	Nov. 25	18	5·93	Nov. 8	Nov. 24	17	5·90	Nov. 18	·98
Merioneth ...1	Bala (Tegid Street)	Mar. 12	April 1	21	6·16	..	..	..	..	Mar. 12	·78
Anglesey	Llanerchymedd (Llwydiarth Esgob)	21, xii '46	Jan. 17	28	8·66	24, xii '46	Jan. 8	16	3·41	Jan. 12	1·04
Isle of Man ...	Douglas (Borough Cemetery) ...	Jan. 1	Jan. 16	16	4·87	Jan. 1	Jan. 16	16	4·87	Jan. 15	·76
SCOTLAND											
Peebles 2	Stobo Castle	April 20	May 10	21	6·00	..	..	..	..	April 21	1·23
Lanark 5	Strathaven (Dungavel)	29, xii '46	Jan. 18	21	4·02	..	..	..	..	Jan. 17	·51
		Mar. 15	Mar. 31	17	1·82	..	..	..	..	Mar. 17	·54
		April 18	May 15	28	7·18	April 18	May 4	17	5·52	April 19	·86
Stirling 1	Falkirk (Arnotdale)	Mar. 15	Mar. 30	16	2·92	..	..	..	..	Mar. 18	·34
Argyll 11	Inveraray Castle Gardens	Sept. 3	Sept. 24	22	9·56	..	..	..	..	Sept. 8	1·32
Argyll 14	Islay (Eallabus)	20, xii '46	Jan. 14	26	6·15	20, xii '46	Jan. 13	25	6·13	Jan. 8	·74
		Mar. 15	Mar. 30	16	3·48	..	..	..	..	Mar. 21	·75
Argyll 14	Mull (Gruline)	Sept. 3	Sept. 17	15	6·95	Sept. 3	Sept. 17	15	6·95	Sept. 8	1·15
		Oct. 29	Nov. 16	19	7·81	..	..	..	..	Nov. 2	1·62
Argyll 14	Tiree	20, xii '46	Jan. 4	16	3·44	..	..	..	..	24, xii '46	·61
		Sept. 3	Sept. 17	15	3·35	..	..	..	..	Sept. 8	·56
		Oct. 29	Nov. 16	19	4·08	..	..	..	..	Nov. 2	·56
Inverness 2	Dalwhinnie.....	April 17	May 1	15	6·56	..	..	..	..	April 23	1·04
Inverness 6	Loch Ness (Garthbeg)	April 13	May 6	24	5·68	April 18	May 2	15	4·98	April 27	·67
		Sept. 2	Sept. 17	16	3·37	..	..	..	..	Sept. 16	1·21
Inverness ...17	Fort William (Teviot).....	Sept. 3	Sept. 24	22	7·88	..	..	..	..	Sept. 22	1·25

* At least 15 days, each credited with ·01 inch or more

† At least 15 days, each credited with ·04 inch or more

Table 4c Rain Spells and Wet Spells in 1947 (*continued*)

County and River Division	Station	Rain Spells*				Wet Spells†				Max. in a Day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date	Rain
				days	in.			days	in.		in.
SCOTLAND (*continued*)											
Inverness ...18	Skye (Portree)	April 13	April 30	18	9·59	..	..	..	..	April 26	1·47
		Sept. 2	Sept. 17	16	6·20	Sept. 2	Sept. 17	16	6·20	Sept. 9	1·05
		Oct. 30	Nov. 27	29	9·93	Oct. 30	Nov. 16	18	6·28	Nov. 1 / Nov. 20	1·12
Ross and Cromarty 3	Fortrose	Oct. 31	Dec. 1	32	4·28	..	..	..	..	Nov. 23	·60
Ross and Cromarty 7	Ullapool	Nov. 7	Nov. 28	22	6·43	Nov. 8	Nov. 27	20	6·38	Nov. 20	·83
Ross and Cromarty 10	Stornoway (Airfield)	Sept. 2	Sept. 17	16	3·23	..	..	..	..	Sept. 10	·79
Sutherland ...3	Kinbrace (Auchintoul)	Oct. 28	Nov. 30	34	6·77	..	..	..	..	Nov. 15	·69
Sutherland ...5	Loch More (Achfary)	Sept. 1	Sept. 17	17	6·40	Sept. 1	Sept. 17	17	6·40	Sept. 16	1·38
		Oct. 31	Nov. 18	19	9·21	..	..	..	..	Nov. 9	1·05
Caithness 3	Thurso (Buckies)	Oct. 28	Nov. 21	25	4·71	Nov. 7	Nov. 21	15	3·15	Nov. 13	·53
NORTHERN IRELAND											
Fermanagh ..1	Newtownbutler (Crom Castle) ...	Mar. 15	Mar. 31	17	2·98	..	..	..	..	Mar. 20 / Mar. 29	·46
Armagh 5	Armagh (Observatory)	Mar. 15	Mar. 30	16	3·40	..	..	..	..	Mar. 20	·70
Down 2	Seaforde	Jan. 1	Jan. 16	16	5·03	..	..	..	..	Jan. 2	·75
Antrim 5	Ballymena (Harryville)	20, xii '46	Jan. 17	29	5·38	..	..	..	..	Jan. 8	·61
		April 18	May 7	20	3·43	..	..	..	..	April 23	·69
		June 27	July 12	16	1·47	..	..	..	..	July 7	·33
		Nov. 7	Nov. 27	21	5·20	..	..	..	..	Nov. 12	1·15
Londonderry .5	Londonderry (Creggan Res.)	19, xii '46	Jan. 4	17	3·08	..	..	..	..	26, xii '46	·63
		Aug. 31	Sept. 30	31	4·00	..	..	..	..	Sept. 16	·53
		Nov. 5	Nov. 29	25	7·13	..	..	..	..	Nov. 11	1·26
Tyrone 3	Omagh (Edenfel)	Mar. 15	Mar. 30	16	2·79	..	..	..	..	Mar. 29	·45

* At least 15 days, each credited with ·01 inch or more

† At least 15 days, each credited with ·04 inch or more

5 Duration of Rainfall in 1947

THE duration of rainfall is obtained by measurement of the records of autographic gauges. On these records the amount of rain is measured vertically and the duration of the rainfall is measured horizontally, using scales which are printed upon the charts. The pen of an autographic gauge writes a horizontal line on the record during the time that no rain is falling, and a sloping line whenever rain is passing into the receiver of the gauge. The inclination of the slope to the horizontal varies with the intensity of the rain.

The duration of rainfall discussed in this section is defined as the length of time during which rain is falling at a rate of not less than 0·1 mm. per hour, *i.e.* ·004 in. per hour. The tabulations at all the official stations are made according to this convention, which was first brought into use in *British Rainfall* 1920. The convention was adopted because, during very light rainfall, it was found to be almost impossible to define the exact point on the record where the change occurred from " no rain " to " rain ". By taking a definite limiting slope of the trace as the criterion the difficulty is avoided to a great extent and it is found possible to obtain measurements from different gauges and from different observers which are comparable amongst themselves. The limit 0·1 mm. (·004 in.) per hour is low enough to ensure that no fall of practical importance is excluded.

Table 5A gives the monthly and annual totals of duration of rainfall at 116 stations. Other records of duration are received but the published list gives a good representation over the country. At 75 of the stations records were obtained from a Dines Tilting Syphon raingauge.

For the purpose of Table 5A, the month commences at 9 a.m. G.M.T. on the first day of the month and ends at the same hour on the first day of the following month. During the first quarter of the year, when some gauges were frozen for long periods, more snow fell than rain. In these circumstances many estimations had to be made. Values which are wholly or partly estimated are shown in the Table in brackets.

The greatest durations were, as usual, at high level stations in Wales and Scotland. It rained for 1210 and 1202 hours at Snowdon (Cwm Dyli) and Eskdalemuir respectively and for more than 1000 hours at two stations in Breconshire. The lowest total was 349 hours at Ilford, Essex. Several other stations, mainly to the south and west of London, recorded only a few hours more.

In England and Wales, south and east Scotland and most of Northern Ireland, March was the month of greatest duration. The largest monthly total was 234 hours at Cwm Dyli, Snowdon, and three other stations in South Wales had more than 200 hours each. At Eskdalemuir the largest monthly totals were 152 and 154 hours in March and April respectively. In the west of Scotland, November generally had the biggest values, though some Hebrides stations recorded their greatest duration in September, but in the east, including the Orkneys, the maxima occurred in January. In the Shetlands the greatest duration was in December.

No duration at all was recorded for August at 9 stations, 6 of them in Scotland and 3 in England, while no station reported more than 15 hours in the month. Such small duration totals have rarely occurred before in any month. Even more remarkable was the exceptionally small duration in England and Wales for October, this being normally the wettest month of the year. Rothamsted registered only one hour's duration in both August and October and Ilford one hour in August and two in October. Tiree and Benbecula each had only two hours rain in February, and Glenbrittle 7 hours. Much of Northern Ireland was in the area of small duration in February, and in this month also Cwm Dyli reported only 14 hours.

Details of the duration of rainfall at Camden Square (London) are available back to 1881. The figure of 452 hours for the year 1947 is only a little above normal, but the total is made up of divergent monthly values. The duration of 2 hours for August, the least of any month in 1947, is also the least for any August since 1881 except in the year 1940 when the total was only 0·3 hour. In no October back to 1881 has the duration been as low as the 3 hours measured in 1947, the previous minimum being 9 hours in October 1921. The March total (122 hours) has only been exceeded twice in the previous 66 years' record, viz. in March 1916 (134 hours) and December 1927 (127 hours).

Table 5B sets out the mean monthly and annual values of rate of rainfall at 12 stations chosen to show broadly the variation in rates throughout the country. The values are obtained by dividing the total fall for the month or the year by the duration as given in Table 5A. Only in three cases is the mean rate in any month more than a tenth of an inch an hour. In comparing these relatively high rates it is necessary to take the duration into consideration. Thus ·137 in. per hour in August at Loughborough expresses a fall of only ·22 inch in the short time of 1·6 hour and is not remarkable, but that of ·116 in. per hour at Wrexham for July refers to a total of 4·29 inches spread over 36·9 hours.

Table 5A Duration of Rainfall at 116 Stations during 1947 (Monthly and Annual values)

County and River Division	Station	Pattern of Gauge	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
London . . .2	Hampstead Observatory	Hyetograph	451	(64)	(46)	(116)	37	21	30	24	2	17	5	39	65	466
,, ...2	St. Pancras (Camden Square) .	Dines T.S.	111	37	49	122	54	26	28	28	2	19	3	31	53	452
Surrey 2	Lingfield (Sewage Works)	Dines T.S.	155	45	(45)	117	33	25	34	15	3	14	8	30	45	414
,, ...4	Caterham (Alderstead Heath) .	Dines T.S.	577	50	(40)	134	49	29	48	23	3	26	6	41	53	502
,, ...4	Croydon (Airport)	Dines T.S.	217	67	76	178	55	41	44	23	4	23	6	43	64	624
,, ...4	Beddington Park	Dines T.S.	108	42	(31)	110	41	26	34	18	2	14	5	31	50	404
,, ...5	Dorking (Pixham Lane S.W.) .	Nat. Syphon	138	39	(36)	117	43	33	29	18	6	15	7	30	65	438
,, ...5	Epsom (Ruxley Lane S.W.)	Hyetograph	76	29	(35)	95	37	21	30	19	3	12	4	25	51	361
,, ...5	Weybridge (Weyland S.W.) . . .	Dines T.S.	50	28	(33)	98	34	24	27	19	4	12	4	27	57	367
,, ...5	Kingston (Sewage Works)	Nat. Syphon	26	29	39	109	34	27	27	17	3	13	3	33	49	383
,, ...5	Kew Observatory	Dines T.S.	20	40	42	105	39	30	35	23	4	16	4	29	51	418
,, ...6	Shottermill (Sewage Works) . . .	Dines T.S.	383	(60)	50	(150)	54	28	34	15	10	25	16	56	55	553
Kent 1	Rye (R.A.F. Station)	Dines T.S.	15	71	76	112	33	12	22	25	0	16	11	48	48	474
,, ...1	Folkestone (The Leas)	Dines T.S.	128	65	(60)	127	35	13	43	34	2	19	6	48	60	512
,, ...2	Lympne (Airport)	Dines T.S.	342	60	65	118	40	18	35	33	1	14	5	51	79	519
,, ...4	West Malling (Airfield)	Dines T.S.	304	(89)	(92)	132	43	29	38	32	2	15	5	38	65	580
,, ...4	Strood Waterworks	Nat. Syphon	112	(48)	(35)	(109)	35	22	26	28	1	12	7	26	69	418
Sussex 1	Tangmere (Airfield)	Dines T.S.	53	90	69	161	55	30	34	19	12	29	17	63	65	644
,, ...3	Worthing (Beach House Park) .	Dines T.S.	25	91	(69)	155	42	28	41	24	12	18	19	49	56	604
,, ...5	Bodle Street (Bucksteep Manor)	Dines T.S.	235	53	41	114	35	22	31	21	2	13	10	31	45	418
Hampshire . .2	Bournemouth (Vale View)	Dines T.S.	139	50	27	130	43	21	24	14	10	18	20	32	41	430
,, . .4	Calshot (Airfield)	Dines T.S.	8	(90)	(82)	141	56	26	30	16	15	18	14	42	62	592
,, . .7	Petersfield (Stoner Hill)	Hyetograph	748	62	(40)	(149)	51	27	33	16	9	27	18	42	60	534
,, . .8	South Farnborough (R.A.E.) . .	Dines T.S.	226	46	34	101	47	32	33	21	6	21	9	30	56	436
Berkshire . . .3	Maidenhead Sewage Works . . .	Hyetograph	81	31	38	114	32	26	28	16	2	16	4	28	37	372
,, . . .5	Abingdon	Dines T.S.	212	41	77	139	61	39	26	40	6	19	11	55	53	567
Middlesex . .1	Isleworth (Mogden Works) . . .	Dines T.S.	33	30	33	110	37	26	33	24	3	13	3	24	47	383
,, . .1	Feltham (London Airport)	Dines T.S.	81	43	76	136	50	32	38	28	7	24	6	45	67	552
,, . .2	Palmers Green (Broomfield Pk.)	Nat. Syphon	138	36	(50	109	41	20	25	20	2	21	3	28	59	414
Hertford . . .2	Harpenden (Rothamsted)	Nat. Syphon	420	54	100	123	46	24	31	21	1	21	1	39	74	535
Buckingham 3	Eton (Tangier Island)	Nat. Syphon	78	25	20	82	35	29	34	27	5	22	8	53	84	424
Oxford 3	Woodstock (Sandford St. Mtn.)	Nat. Syphon	500	24	41	98	35	24	21	22	5	17	10	26	33	356
Northampton4	Peterborough (Sewage P.S.) . . .	Nat. Syphon	9	43	86	100	40	12	32	14	0	13	5	28	37	410
,, 4	Wittering (Airfield)	Dines T.S.	239	69	94	138	48	28	39	55	0	17	5	26	63	582

Table 5A Duration of Rainfall at 116 Stations during 1947 (Monthly and Annual values)—(*continued*)

County and River Division	Station	Pattern of Gauge	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
Essex 2	Ilford (Valentines Park)	N. & Z. Float	45	(43)	37	90	33	17	24	19	1	15	2	25	43	349
Suffolk 2	Ipswich (Belstead Hall)	Nat. Syphon	125	59	53	91	34	11	28	13	3	10	5	27	61	395
,, ...3	Felixstowe (Airfield)	Dines T.S.	10	79	87	104	40	16	33	11	3	10	7	35	74	499
,, ...5	Mildenhall (Airfield).....	Dines T.S.	16	36	56	111	33	8	32	9	3	13	8	29	68	406
Wiltshire ...1	Lyneham (Airfield)	Dines T.S.	458	69	79	181	50	38	28	37	9	39	8	59	56	653
,, ...3	Porton (W.D. Expl. Station) ..	Dines T.S.	364	48	41	157	44	32	30	25	7	16	10	29	47	486
,, ...3	Amesbury (Boscombe Down) ..	Dines T.S.	418	55	33	141	42	24	28	33	8	21	9	43	55	492
,, ...3	Larkhill (School of Artillery) ..	Dines T.S.	431	64	39	124	44	38	31	26	9	16	9	18	57	475
S. Devon ...2	Plymouth (Mount Wise)	Dines T.S.	72	48	29	133	46	42	65	44	14	37	28	93	57	636
,, ...6	Exeter Airport	Dines T.S.	102	27	(25)	135	35	40	35	21	9	23	9	30	38	427
Cornwall....1	St. Eval (Airfield)	Dines T.S.	346	54	28	126	44	56	58	57	13	36	21	66	45	604
,, ...2	Falmouth (Observatory)	Beckley	169	74	45	187	47	50	71	59	8	30	27	81	64	743
Somerset ...1	Litton (Sherborne Reservoir) ..	Dines T.S.	340	65	54	134	61	41	42	45	13	33	10	71	65	634
,, ...1	Bristol Airport.....	Dines T.S.	209	76	57	153	50	45	37	49	13	30	12	62	67	651
,, ...3	Bridgwater (Northmoor P.S.) .	Dines T.S.	23	52	43	(120)	44	35	32	26	10	25	13	64	43	507
Gloucester ..3	Cheltenham (Montpellier Gdns.)	N. & Z. Float	216	51	34	105	46	31	26	31	4	22	10	36	37	433
Shropshire ..4	Shawbury (Airfield)	Dines T.S.	237	44	67	74	44	44	20	42	5	24	19	56	42	481
Stafford.....3	West Bromwich (Nicholls Street)	Hyetograph	537	(45)	(60)	125	41	40	29	43	6	33	23	43	54	542
,, ...3	Cannock (Longford Road S.W.)	Hyetograph	400	40	68	108	34	42	34	37	5	21	12	34	41	476
Worcester ..3	Defford (Airfield)	Dines T.S.	59	63	55	125	48	40	26	40	6	24	10	48	38	523
Warwick ...4	Birmingham (Handsworth Pk.)	Hyetograph	424	49	58	(100)	37	32	19	25	3	17	6	33	37	416
Leicester ...4	Loughborough (Nanpantan Res.)	Hyetograph	269	38	65	139	52	43	30	35	2	29	16	45	67	561
,, ...4	Wymesworth (Airfield).....	Dines T.S.	272	76	44	106	49	40	33	43	1	23	14	35	43	507
Lincoln 3	Cranwell (Airfield)	Dines T.S.	206	70	119	106	49	27	36	42	2	18	9	29	43	550
,, ...3	Waddington (Airfield)	Dines T.S.	234	75	91	104	52	16	41	25	2	21	8	28	40	503
Nottingham .5	Nottingham (Sneinton P.S.) ...	Fernley	83	83	87	141	47	33	37	39	3	25	8	36	47	586
,, .5	Sutton-in-Ashfield (Sew. Works)	Hyetograph	457	76	64	144	66	39	32	49	4	41	19	50	90	674
Cheshire 1	Appleton Reservoir	Dines T.S.	120	34	9	77	32	33	28	20	3	26	20	39	85	406
,, .. .1	Manchester (Ringway)	Dines T.S.	230	53	41	101	43	37	43	34	8	34	17	53	65	529
,, ...1	Sale (Carrington Lane)	Dines T.S.	72	46	14	123	38	43	43	45	7	45	25	66	65	560
S. Lancs.....2	Garston (Speke Airport)	Dines T.S.	82	40	24	130	37	61	52	37	9	43	30	60	58	581
,, ...3	Bolton (Queen's Park)	Fernley	330	57	23	103	49	39	46	37	5	46	13	64	53	535
C. Lancs. ...1	Accrington (Oak Hill Park) ...	Nat. Syphon	646	(75)	(33)	(146)	57	37	53	46	3	49	24	79	89	691
,, ...1	Blackpool (Squire's Gate)	Dines T.S.	34	76	35	153	39	77	84	49	3	45	14	70	67	712

Table 5A Duration of Rainfall at 116 Stations during 1947 (Monthly and Annual values)—(*continued*)

Country and River Division	Station	Pattern of Gauge	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
C. Lancs. ...3	Southport (Hesketh Park)	Fernley	38	53	34	133	43	57	53	34	4	37	10	53	42	553
N. Lancs. ...1	Barrow-in-Furness (Sew.Works)	N. & Z. Float	24	56	23	126	45	66	83	66	8	44	15	59	28	619
W.R. Yorks. 6	Finningley (Airfield)	Dines T.S.	31	52	102	149	50	37	46	33	5	38	23	41	78	654
,, 9	Earby Sewage Disposal Works	Hyetograph	426	51	(70)	67	45	22	41	37	3	50	25	76	78	565
,, 10	Tadcaster (Ch. Fenton Airfield)	Dines T.S.	29	68	72	116	31	23	36	29	6	25	34	27	42	509
N.R. Yorks. 2	Felixkirk (Mount St. John) ...	Halliwell	542	61	(73)	108	45	36	52	38	4	20	21	39	61	558
,, 2	Leeming	Dines T.S.	107	69	58	163	52	30	72	42	15	22	14	38	54	629
Durham 1	Darlington Waterworks	Dines T.S.	161	65	157	131	49	32	58	39	10	29	18	37	38	663
North'land .5	Acklington (Airfield)	Dines T.S.	138	66	88	(133)	58	35	45	63	3	30	12	38	41	612
Cumberland 1	Carlisle (Kingstown Airport) ..	Dines T.S.	90	53	5	97	67	42	73	71	4	36	19	89	34	590
,, 3	St. Bees Head Lighthouse	Nat. Syphon	400	80	4	90	69	75	83	61	2	33	15	75	57	644
Glamorgan .1	Felindre (Upper Lliw Reservoir)	Hyetograph	599	59	16	129	50	46	44	96	6	41	27	113	79	706
,, .2	Fairwood Common (Airfield) .	Dines T.S.	270	61	38	228	58	60	54	94	4	31	18	50	37	733
,, .3	Swansea (Victoria Park)	Hyetograph	28	43	15	104	36	38	30	61	6	29	16	77	69	524
,, .7	Cardiff (Penylan).....	Nat. Syphon	202	51	(24)	(81)	41	36	40	38	9	30	12	87	57	506
Cardigan....2	Aberporth	Dines T.S.	378	90	44	173	61	62	46	57	9	39	19	82	56	738
Brecon 4	Taf Fechan (Pontsticill)	Dines T.S.	1031	101	80	220	103	62	83	102	10	62	40	156	97	1116
,, ...7	Swansea W.W. (Cray Reservoir)	Dines T.S.	1043	109	52	220	77	58	61	88	9	61	42	143	92	1012
Montgomery 5	Lake Vyrnwy (Expl. Station) ..	Dines T.S.	995	85	(47)	163	69	45	49	39	6	47	21	130	96	797
Flint 1	Hawarden (Airfield)	Dines T.S.	17	43	65	153	33	48	51	36	7	46	21	66	61	630
Denbigh 1	Wrexham (Grove Park C. School)	Hyetograph	277	54	78	178	47	45	42	37	4	19	14	62	44	624
Carnarvon ..5	Snowdon (Cwm Dyli)	Beckley	310	134	14	234	117	58	105	126	10	88	42	171	111	1210
Anglesey	Holyhead (Salt Island)	Dines T.S.	28	98	46	154	67	69	97	69	11	43	14	81	55	804
Kirkcudb'ght 3	Dalry (Glenlee)	Hyetograph	181	110	16	127	94	80	78	77	4	90	42	123	87	928
Dumfries ...5	Eskdalemuir Observatory	Dines T.S.	794	139	89	152	154	67	131	99	1	89	55	145	81	1202
Berwick.....3	Swinton House	Hyetograph	200	47	73	117	95	54	63	34	5	20	18	35	26	587
Midlothian .5	Boghall	Hyetograph	646	64	(70)	(120)	(80)	(59)	47	25	7	34	20	47	34	607
Ayrshire 3	Prestwick Airport	Dines T.S.	30	76	(8)	89	86	74	75	55	5	63	48	109	61	749
,, ...3	Dalry (Camphill Reservoir)....	Dines T.S.	634	(96)	(28)	(91)	(104)	89	80	(75)	0	(74)	55	(105)	59	856
Renfrew 2	Renfrew Airport	Dines T.S.	29	115	79	120	109	97	75	60	0	85	46	114	(55)	955
,, ...3	Greenock (Prospect Hill)	Hyetograph	199	118	27	104	117	96	75	55	0	89	55	110	55	901
Argyll 4	Tiree	Dines T.S.	31	77	2	67	109	70	109	82	11	113	62	133	62	897
Fife 1	Dunfermline.....	Dines T.S.	237	62	64	81	55	50	59	26	1	36	30	55	31	550
,, ...1	Leuchars (Airfield)	Dines T.S.	33	90	67	123	53	108	67	27	15	63	65	57	42	777

Table 5A Duration of Rainfall at 116 Stations during 1947 (Monthly and Annual values)—(*concluded*)

County and River Division	Station	Pattern of Gauge	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
Perth 8	Perth (Craigie Haugh)	Hyetograph	18	76	39	93	71	77	58	38	2	45	46	46	42	633
Angus 1	Kirriemuir (Lintrathen)	Nat. Syphon	700	108	(65)	(97)	67	(78)	69	27	3	48	61	64	(35)	722
Aberdeen ...2	Aberdeen Observatory	Dines T.S.	79	89	37	109	49	62	29	18	0	37	45	57	54	586
,, ...2	Dyce (Airfield).....	Dines T.S.	238	98	43	89	38	48	23	15	0	27	44	54	53	532
,, ...4	Rattray Head.....	Dines T.S.	85	82	26	50	25	29	26	18	0	49	35	61	48	449
Inverness ..18	Glenbrittle	Dines T.S.	30	89	7	78	123	62	112	71	7	128	63	118	105	963
,, ..19	Benbecula (Airfield)	Dines T.S.	16	88	2	52	97	64	74	49	6	103	49	113	64	761
Ross and Cromarty 10	Stornoway (Airfield)	Dines T.S.	15	52	16	65	119	59	81	65	15	124	59	100	70	825
Orkney	Hatston (Airport)	Dines T.S.	37	(115)	(95)	(85)	70	12	46	19	3	86	47	100	105	783
Shetland	Lerwick Observatory	Dines T.S.	269	119	94	73	106	24	59	28	1	82	64	125	129	904
Fermanagh .1	Castle Archdale	Dines T.S.	225	74	43	120	69	73	51	70	10	48	78	85	48	769
Armagh 5	Armagh (Observatory)	Beckley	209	61	(30)	111	62	63	62	60	5	52	37	61	46	650
Antrim 5	Aldergrove (Airfield)	Dines T.S.	294	72	50	101	55	56	76	63	7	55	39	86	48	708
Londonderry 5	Ballykelly (Airfield)	Dines T.S.	10	75	11	88	90	56	92	61	4	60	53	103	39	732

Table 5B Mean Rate of Rainfall at 12 Stations during 1947 (Monthly and Annual values)

County and River Division	Station	Rain-fall 1947	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		in.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.
London 2	St. Pancras (Camden Square) ...	20·97	·039	·032	·047	·035	·038	·097	·063	·040	·074	·028	·032	·043	·046
Suffolk 5	Mildenhall (Airfield).....	23·89	·037	·021	·032	·035	·034	·086	·136	·039	·065	·024	·040	·033	·059
Wiltshire 3	Porton (W.D. Expl. Station)	23·82	·047	·023	·040	·059	·047	·061	·065	·073	·070	·065	·055	·065	·048
Leicester 4	Loughborough (Nanpantan Res.)	22·73	·048	·020	·038	·047	·037	·056	·082	·137	·039	·018	·040	·035	·040
N.R. Yorkshire 2	Felixkirk (Mount St. John)	25·38	·044	·039	·040	·065	·062	·042	·042	·059	·078	·030	·051	·036	·045
Glamorgan 3	Swansea (Victoria Park)	36·52	·081	·062	·081	·078	·073	·058	·059	·063	·072	·080	·057	·067	·070
Denbigh 1	Wrexham (Grove Park C. School)	30·42	·040	·032	·035	·064	·063	·049	·116	·066	·085	·036	·051	·041	·049
Dumfries 5	Eskdalemuir Observatory	54·35	·047	·014	·038	·065	·052	·038	·045	·027	·052	·028	·060	·039	·045
Aberdeen 2	Aberdeen Observatory	26·25	·051	·040	·037	·040	·047	·038	·081	·000	·045	·044	·049	·044	·045
Ross and Cromarty 10	Stornoway (Airfield)	39·95	·053	·028	·021	·048	·034	·033	·047	·033	·054	·052	·077	·057	·048
Shetland	Lerwick Observatory	33·74	·032	·029	·068	·040	·025	·041	·055	·020	·059	·041	·042	·029	·038
Antrim 5	Aldergrove (Airfield)	32·22	·041	·025	·040	·055	·057	·046	·060	·047	·052	·047	·045	·035	·045

6 Heavy Falls in Short Periods in 1947

HEAVY falls of rain in short periods are of considerable economic importance, for they are frequently of such intensity as to cause extensive flooding, often accompanied by much surface erosion and structural damage to property. Considerable damage may occur as a result of the accumulation of flood water below the area of heaviest rainfall. The amount of the damage depends on a number of factors, such as the shape of the catchment area, the nature of the ground, whether the water finally flows into the river or sea at high or low tide and the relative positions of the towns. In towns the floods may be aggravated by failure of the drainage system to cope with the demands made upon it. The information given in this section supplements that in Section 7, Heavy Falls on Rainfall Days, which deals with falls of longer duration causing often more widespread flooding.

The table below, 6A, indicates the classification used since January 1st, 1936, and described in full in an article in Part IV of *British Rainfall*, 1935. The diagram showing the full classification was printed in the volumes for 1935–1938.

Table 6A Lower Limits of Intense Rainfalls

Time	Noteworthy			Remarkable			Very Rare		
	Amount		Rate	Amount		Rate	Amount		Rate
mins.	in.	mm.	in./hr.	in.	mm.	in./hr.	in.	mm.	in./hr.
5 or less	·43	10·9	5·16	·68	17·3	8·16	1·06	26·8	12·72
10 „ „	·54	13·8	3·24	·85	21·6	5·10	1·31	33·2	7·86
20 „ „	·68	17·3	2·04	1·06	26·8	3·18	1·61	40·9	4·83
30 „ „	·77	19·7	1·54	1·19	30·3	2·38	1·82	46·2	3·64
40 „ „	·85	21·6	1·27	1·30	33·2	1·95	1·98	50·3	2·97
50 „ „	·91	23·2	1·09	1·40	35·6	1·68	2·12	53·8	2·55
60 „ „	·97	24·5	·97	1·48	37·6	1·48	2·24	56·8	2·24
70 „ „	1·01	25·7	·87	1·55	39·4	1·33	2·34	59·5	2·01
80 „ „	1·05	26·8	·79	1·61	40·9	1·21	2·44	61·9	1·83
90 „ „	1·09	27·8	·73	1·67	42·4	1·11	2·52	64·0	1·68
100 „ „	1·13	28·8	·68	1·72	43·8	1·03	2·60	66·0	1·56
110 „ „	1·16	29·6	·63	1·77	45·0	·97	2·67	67·8	1·46
120 „ „	1·19	30·4	·59	1·82	46·2	·91	2·73	69·4	1·37

A list of falls of " very rare " intensity lasting for one hour or less which were recorded between 1873 and 1938 was published in *British Rainfall* 1938 and a supplementary table giving similar data for the years 1939 to 1946 was printed in *British Rainfall* 1946. There was only one such fall in 1947, that at Temple Sowerby in Westmorland on the afternoon of July 18, when 2·24 inches fell in an hour.

Table 6c gives particulars of 83 falls recorded in 1947 which reached at least the intensity " noteworthy ". In each case the entry gives the largest amount recorded with a mean intensity " noteworthy," " remarkable " or " very rare ", an entry at the highest rate being in general preferred. Entries are credited to the calendar day rather than the " rainfall day " and times quoted are G.M.T.

The geographical distribution of the heavy falls of Table 6c is given in the following summary, and in Table 6b.

Of the 83 entries no less than 59 occur in south-east England. There are only two in Scotland and one in Northern Ireland. These figures do not indicate the actual relative frequencies of intense falls in the respective districts as the number of observers per unit of area is much greater in the south of England than elsewhere.

The 83 entries, the greatest number reported in any year since 1937, are chiefly for June and July, 37 of them for one day, June 27.

As in most years there are no entries in the list till towards the summer, the first heavy showers in 1947 falling over a wide area in the north of England and locally in the west during a hot spell at the end of *May*, mostly on the 30th. Mills, powerstations and houses in Leeds, Bradford and other towns were damaged by quickly rising flood-waters, while transport services and the electricity supply were dislocated by the striking of cables by lightning. Mr. J. C. Crossley of Waverley Terrace, Bradford, reports that the fall of 1·50 in. in 2 hours on May 30 was followed within an hour by another of ·80 in. in 40 minutes, which though more intense than the first is not a conventionally " noteworthy " fall. Hailstones up to an inch in diameter fell during the first storm.

June thunderstorms gave no exceptional falls till the 27th, when severe storms, following one of the warmest nights on record, developed by midday over south-east and east England. Squally winds accompanied the heavy rain in most cases, adding to the damage caused by floods and lightning. Seven of the 37 falls included in Table 6c for this day were of " remarkable " intensity. The stormy period continued over the 28th and 29th and a few further noteworthy falls occurred.

July was a month of frequent thunderstorms and entries appear in the Table for 9 days of this month. Mr. T. H. Pettipher of

Table 6B Number of Noteworthy Rains of Two Hours' Duration or less.
England and Wales

		S.E.	S.W.	N.E.	N.W.	Total	Scotland	Northern Ireland	Total
1947	(a)	41	4	8	6	59	1	0	60
	(b)	18	0	1	2	21	1	1	23
	Total ...	59	4	9	8	80	2	1	83
Mean 1925–1946 ...		25	14	7	5	51	4	1	56

(a) Observations made without autographic rain-gauges.
(b) Readings of autographic gauges.

The Bungalow, Chipping Norton, wrote that after the severe afternoon storm on July 9 his " lawns were white with hail for two hours and garden produce perforated by it." The storm was practically confined to the town area, neighbouring villages having very little rain.

There are 27 entries for the period July 14 to 19. On the 14th storms of unusual severity occurred in the Thames Valley and falls of " remarkable " intensity were recorded at Weybridge, Ovington, North Newington (Oxford) and Tewkesbury. On the 16th heavy rains fell in many parts of England and in eastern Scotland. The storm was particularly severe at Wisley, Surrey, where a " very rare " fall of 4·00 inches in 75 minutes was recorded at the Royal Horticultural Society's gardens. Much damage was done to plants and fruit, and two torrents cut deep channels across the grounds. In Manchester, main-line railway services were held up through floods. *The Manchester Evening News* reported that at Wilbraham Road Station the flood-water " first crept along the side of the track then swept down in one big wave, lapping just below the edge of the platform."

At Barking Tye, near Ipswich, on July 17 a violent hailstorm ruined thousands of acres of corn. Other crops and fruit trees were damaged and poultry were killed by the hailstones, which were one and a half inches in diameter. According to the *East Anglian Daily Times*, Mr. A. J. Pratt of Tye Farm said, " When the electrical storm was moving away we heard a distant roar which got louder and louder as the ice storm approached. It lasted from between 20 and 30 minutes. Afterwards there was a white carpet all round." Floods affected most parts of London, and railway tracks in Manchester were again under water. Towns on the south coast were badly hit.

On the 18th two falls of " very rare " intensity were recorded. The Engineer to the River Eden Catchment Board reported that at Temple Sowerby 2·24 inches fell in just under one hour resulting in flooding in the centre of the village. The N.F.S. were called to pump out water from the Kings Arms Hotel. At Sandford St. Martin, near Woodstock, Oxfordshire, 3·50 inches fell in 1 hour 45 minutes, and caused considerable flooding. On July 28 exceptionally heavy rain accompanied an early morning thunderstorm in the Loch Foyle area of Northern Ireland. Ballykelly, where the airfield was flooded, reported the " remarkable " fall of 2·00 inches in 90 minutes. Limavady was flooded and several bridges in the Roe valley were destroyed. In the Castlerock area, where flooding was extensive, the road at Downhill became blocked with boulders dislodged by the rain from the cliffs. A fuller account of this storm appeared in the *Meteorological Magazine* for June 1948. Bath was near the centre of a short-lived storm on July 30 and heavy falls were recorded in most parts of the city.

August 1947 was the driest August on record over England and Wales generally. On the 23rd however, after a severe evening thunderstorm confined to a limited area in north-west London, Mr. R. M. Eadie of Sudbury, Middlesex, measured 3·32 inches of rain, the result of only an hour and a half's downpour—a " very rare " fall. A noteworthy but less heavy fall was recorded at about the same time at Wembley Town Hall.

Though there were a number of thunderstorms in *September*, the only " noteworthy " fall reported was at Hove, Sussex, on the 18th. *October* was a dry month with no notably heavy falls. Though in *November* there were many heavy falls, they were of long duration and are dealt with in Section 7.

There is one entry in Table 6c for *December* —at Forest Row, Sussex. About half an inch of rain fell in London in a thunderstorm on the 25th. In the last 100 years there is no other record of a thunderstorm in London on Christmas Day.

Table 6c Heavy Falls in Short Periods in 1947

County and River Division	Station	Date	Amount	Began at	Duration	Rate per Hour
	(a) EYE OBSERVATIONS		in.	h. m.	min.	in.
Surrey 4	Purley (Salcroft Road)	June 27	1·00	11 00	10	6·00*
Sussex 3	Hurstpierpoint (Brundall)	July 10	·56	05 30	10	3·36
Kent 4	Higham (Forge Lane)	July 19	1·47	10 30	15	5·88*
Lincoln 3	Boston (Church Road P.S.)	June 27	1·00	12 30	15	4·00*
Leicester 4	Leicester (Woodville Road).....	July 19	·98	14 40	15	3·92*
Oxford 3	N. Newington (Orchard House) ..	July 18	·64	07 00	15	2·56
Essex 5	Layer de la Haye.....	June 27	·82	12 10	17	2·89
Hertford 3	Ware (Grammar School)	June 27	1·00	11 50	20	3·00
Sussex 2	Horsham (Springfield Park)	June 27	·99	16 50	20	2·97
Cumberland ..1	Penrith (Hutton John)	May 30	·92	16 00	20	2·76
Surrey 7	Chobham (West End)	July 18	·86	11 00	20	2·58
Sussex 3	Hurstpierpoint (Brundall)	June 27	·85	10 25	20	2·55
Shropshire 3	Shrewsbury (Longden Road)	June 28	·69	16 45	20	2·07
Cambridge 2	Ashwell (Odsey)	June 27	1·59	12 20	30	3·18*
Oxford 3	N. Newington (Orchard House) ..	July 14	1·50	14 15	30	3·00*
Sussex 3	Hassocks (The Croft)	July 9	1·01	15 00	30	2·02
Sussex 2	Horsham (Windyridge)	June 27	1·00	—	30	2·00
Sussex 7	Forest Row (Park Road)	Dec. 5	1·00	22 00	30	2·00
Oxford 2	Chipping Norton (Bungalow)	July 9	·98	14 50	30	1·96
Denbigh 2	Llangynhafal (Plâs Drâw).....	June 28	·96	19 00	30	1·92
Sussex 7	Crawley Down (Grange Hill).....	June 27	·84	—	30	1·68
Cumberland ..1	Watermillock (Lake View)	May 30	·84	15 45	30	1·68
Surrey 5	Reigate (Wray Park Road).....	June 27	·87	11 50	35	1·49
Yorks. W.R. ..9	Leeds (Chapel Allerton).....	July 14	·77	17 45	35	1·32
Gloucester 3	Tewkesbury Pumping Station	July 14	1·88	17 00	45	2·51*
Hertford 3	Braughing (Upp Hall)	June 27	1·57	11 45	45	2·09*
Cambridge 3	Wisbech (Queen's Road)	June 27	1·35	13 00	45	1·80
Suffolk 5	Newmarket (Sewage Outfall).....	June 27	1·17	12 15	45	1·56
Sussex 4	Worth Priory	June 27	·93	10 45	45	1·24
Stafford.....3	Stafford (Newport Road)	May 30	·91	13 15	45	1·21
Norfolk.....4	Thetford Waterworks	June 27	·88	12 15	45	1·17
Westmorland .1	Temple Sowerby.....	July 18	2·24	16 00	60	2·24†
Oxford 3	Steeple Aston (The Grange).....	July 18	1·87	19 30	60	1·87*
Worcester 2	Pedmore (Beckman Road)	July 19	1·65	11 00	60	1·65*
Lincoln 3	Wyberton (Slippery Gowt Farm) .	June 27	1·50	12 30	60	1·50*
Somerset 1	Bath (Camden Road)	July 30	1·48	14 00	60	1·48
Perth 1	Gartmore House Gardens	July 28	1·41	09 10	60	1·41
Surrey 7	Weybridge (St. George's College) .	July 14	1·40	18 15	60	1·40
Hertford 3	Hoddesdon.....	June 27	1·25	11 15	60	1·25
Surrey 4	Caterham (White Knobs Way) ...	June 27	1·17	10 50	60	1·17
Kent 4	Sevenoaks (Underriver).....	June 27	1·16	06 45	60	1·16
Berkshire 3	Windsor (Bolton Road)	June 27	1·04	—	60	1·04
Gloucester 3	Tewkesbury (Forthampton Court).	July 14	1·48	17 40	70	1·27
Northampton..4	Lamport Grange	July 14	1·02	16 20	70	·87
Surrey 6	Byfleet (Wisley R.H.S. Gardens) ..	July 16	4·00	15 30	75	3·20†
Hertford 3	Broxbourne (Broxbournebury) ...	June 27	1·33	11 00	75	1·06
Sussex 3	Hove	Sept. 18	1·08	10 50	75	·86
Northampton..4	Thrapston (Drayton House).....	July 19	1·11	13 20	80	·83
Middlesex 1	Sudbury (Station Approach)	Aug. 23	3·32	16 30	90	2·21†
Hampshire.... 5	Ovington Rectory	July 14	1·80	—	90	1·20*

* " Remarkable " fall. † " Very Rare " fall

Table 6c Heavy Falls in Short Periods in 1947 (*continued*)

County and River Division	Station	Date	Amount	Began at	Duration	Rate per Hour
	(a) EYE OBSERVATIONS (*con.*)		in.	h. m.	min.	in.
Huntingdon ...1	Bluntisham Rectory	June 27	1·34	12 30	90	·89
Suffolk 3	Melton (St. Audry's Hospital)	Aug. 6	1·25	15 00	90	·83
Yorks. W.R. ..9	Leeds (Chapel Allerton).....	May 28	1·19	09 00	90	·79
Yorks. W.R. ..9	Leeds (Chapel Allerton).....	July 16	1·22	12 30	94	·78
Middlesex 1	Potters Bar (Mount Grace)	July 19	2·30	10 45	105	1·31
Kent 1	Wittersham (Mount Pleasant).....	July 17	3·60	00 45	120?	1·80?†
Berkshire 3	Twyford (Hare Hatch)	July 18	1·50	13 00	120	·75
Cambridge 2	Chatteris (The Vicarage)	June 27	1·49	12 15	120	·75
Yorks. W.R. ..9	Bradford (Waverley Terrace)	May 30	1·50	12 15	120	·75
Yorks. E.R. ...3	Hessle (Westfield Rise).....	July 16	1·40	14 30	120	·70
	(b) AUTOGRAPHIC RECORDS					
Surrey 4	Croydon	June 27	·80	11 00	6	8·00*
Kent 4	West Malling	June 27	·85	11 30	8	6·37*
Yorks. W.R. ..7	Sheffield W.W. (Rivelin)	July 16	·90	11 10	10	5·40*
Middlesex 2	Palmers Green (Broomfield Park) .	June 27	·75	11 30	10	4·50
Fife 1	Dunfermline.....	July 16	·70	11 40	10	4·20
London 2	Camden Square	June 27	·92	11 10	15	3·68
London 2	St. James's Park	June 27	·70	11 35	15	2·80
Surrey 4	Woodcote Park Golf Club	June 27	·66	11 10	15	2·64
Middlesex 2	Southgate (Oakwood)	June 27	·65	11 45	15	2·60
Surrey 5	Morden Hall	June 27	·89	11 06	17	3·12
Surrey 4	Beddington Park	June 27	·87	11 06	18	2·88
Surrey 5	Raynes Park (Cottenham Park P.S.)	June 27	·96	11 42	24	2·40
S. Lancashire .3	Rochdale (Roch Mill Sewage Wks.)	July 16	1·05	11 40	25	2·52
Suffolk 5	Mildenhall	June 27	·80	12 25	29	1·65
Surrey 5	Weybridge (Weyland Sewage Wks.)	July 14	1·45	18 06	48	1·81*
Kent 1	Rye (R.A.F. Station)	July 17	1·10	03 40	50	1·32
Middlesex 1	Wembley (Town Hall)	June 27	1·32	11 20	60	1·32
Buckingham ..3	Eton (Tangier Island)	June 27	1·07	11 00	80	·80
Londonderry ..5	Ballykelly Airfield	July 28	2·00	04 45	90	1·33*
Middlesex 1	Wembley (Town Hall)	Aug. 23	1·22	17 00	100	·73
Oxford 2	Woodstock (Sandford St. Martin)	July 18	3·50	18 45	105	2·00†
Denbigh 1	Wrexham (Grove Park County Sch.)	July 19	1·52	06 00	120	·76
Surrey 4	*Croydon*	*June 27*	*1·00*	*11 00*	*18*	*3·33*

* "Remarkable" fall. † "Very Rare" fall

Table 6D Number of Days on which specified amounts of Rain fell in specified times during 1947

County	Station	10 mm. (0·4 inch) within					15 mm. (0·6 inch) within					20 mm. (0·8 inch) within				25 mm. (1·0 inch) within			
		5 mins.	15 mins.	30 mins.	1 hr	2 hrs.	15 mins.	30 mins.	1 hr.	2 hrs.	5 hrs.	30 mins.	1 hr.	2 hrs.	5 hrs.	1 hr.	2 hrs.	5 hrs.	24 hrs.
London	Camden Square	0	1	1	2	3	1	1	2	2	3	1	1	2	2	1	1	1	2
Surrey	Croydon	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1
,, ...	Kew Observatory	0	0	2	2	3	0	0	0	0	1	0	0	0	0	0	0	0	0
Kent	Lympne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hampshire ..	South Farnborough	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Berkshire	Abingdon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suffolk	Mildenhall	0	1	1	2	2	0	1	1	1	2	1	1	1	2	0	0	1	1
Devon	Plymouth (Mount Wise)	0	0	0	1	5	0	0	1	1	3	0	0	1	1	0	0	0	3
Somerset	Bristol	0	0	0	1	2	0	0	0	0	1	0	0	0	0	0	0	0	1
Lincoln	Cranwell	0	0	1	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0
Cheshire	Manchester (Ringway)	0	0	0	0	3	0	0	0	1	1	0	0	0	0	0	0	0	1
Lancashire ...	Southport	0	1	1	1	2	0	0	0	0	2	0	0	0	1	0	0	0	3
Yorkshire ...	Leeming	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	2
North'land ..	Acklington	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
Cumberland .	Carlisle (Kingstown).....	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3
Cardigan.....	Aberporth	0	1	1	1	1	0	1	1	1	2	0	0	0	0	0	0	0	1
Anglesey	Holyhead	0	0	0	1	5	0	0	0	0	3	0	0	0	2	0	0	0	5
Dumfries	Eskdalemuir Observatory	0	1	1	1	7	0	0	0	0	9	0	0	0	1	0	0	0	10
Renfrew	Renfrew	0	0	0	1	1	0	0	0	1	3	0	0	0	2	0	0	0	4
Fife	Leuchars	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	2
Aberdeen	Aberdeen Observatory	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	1
Shetland	Lerwick.....	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Fermanagh ..	Castle Archdale	0	1	2	2	6	0	0	1	1	5	0	0	1	2	0	0	1	2
Antrim	Aldergrove	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1

The falls are not necessarily continuous nor are they always confined to one calendar day. Not more than one fall of each specified amount is credited to any day ; if more than the specified amount fell on any day, that part of it which fell in the shortest time is used for the table. An entry in any of the first four columns under the heading 10 mm. (0·4 inch) naturally recurs in the column or columns to the right, and there is a similar recurrence of the entries under the headings 15 mm. (0·6 inch), 20 mm. (0·8 inch) and 25 mm. (1·0 inch).

7 Heavy Falls on Rainfall Days in 1947

THE daily measurements of rain which are set out in this Section are (*a*) falls amounting to 2·5 inches or more on the rainfall day, and (*b*) falls which amount to at least 7·5 per cent of the total recorded for the year 1947. A fall of 2½ inches in a day at any station is sufficiently remarkable to be noticed, but it is likely to be of more frequent occurrence in areas which are normally wet, such as mountainous districts, than elsewhere. Hence the criterion of 7½ per cent is introduced as well in order to admit certain falls of less than 2½ inches in areas where the total rainfall of the year does not exceed 33·3 inches.

A summary of the contents of this Section in each of the seventy volumes of *British Rainfall*, 1865–1934, was set out in an article in Part IV of *British Rainfall*, 1934. The article also includes a list of the absolute highest daily rainfall and the absolute highest daily percentage recorded in each year. Corresponding figures for the years 1935 to 1947 are set out in Table 7A.

Table 7A Maximum Daily Fall and Maximum Percentage

Year	ABSOLUTE HIGHEST RAINFALL				ABSOLUTE HIGHEST PERCENTAGE				Year
	Depth	Per cent	Station	Div.	Per cent	Depth	Station	Div.	
	in.	%			%	in.			
1935	6·16	5·7	New Dungeon Ghyll	X	12·2	4·83	Batheaston Reservoir	V	1935
1936	5·80	..	Glen Shiel	XVIII	12·8	3·97	St. Albans (Oaklands)	III	1936
1937	5·76	18·2	Waltham-on-Wolds ..	VII	18·2	5·76	Waltham-on-Wolds .	VII	1937
1938	7·14	5·2	Buttermere (Hassness)	X	15·4	5·61	Torquay (Abbey Park)	V	1938
1939	5·08	4·8	Blaenau Festiniog ...	XI	11·8	4·01	Milford W.W.....	VI	1939
1940	6·23	6·8	Rhondda (Llyn Fawr)	XI	14·7	4·18	Scarborough (Osgodby)	IX	1940
1941	5·10	9·2	Merthyr Tydfil	XI	18·8	4·54	Wickham Bishops ...	IV	1941
1942	5·33	6·2	Grange-in-Borrowdale	X	12·0	3·55	Burnham (Chalbury)	V	1942
1943	4·44	4·6	Grange-in-Borrowdale	X	10·5	2·78	Torphins School House	XVII	1943
1944	5·20	3·2	Snowdon (Llydaw In.)	XI	14·0	4·45	Kilve (Harefield)	V	1944
1945	4·85	5·4	Borrowdale (Moraine)	X	16·6	3·82	Boston (Grand Sluice)	VII	1945
1946	6·83	6·4	Princetown ..... (H.M. Prison)	V	12·6	3·48	Doxford Hall	X	1946
					12·6	3·51	Chathill (Preston Twr.)	X	1946
1947	6·28	6·4	Glenquoich	XVIII	20·8	5·04	Wisley (Outfall Wks.)	II	1947

The 1947 maximum percentage value, 20·8 at Wisley on July 16, is the highest percentage recorded since 1921. There have been only five occasions in the last 83 years (i.e. since 1865) on which any station has received in one day as much as 20·8 per cent. of its annual rainfall.

accompanied by heavy rain to all districts from *January* 14 to 16. There was more than an inch over most of the Western Highlands from the Clyde to Sutherland on the 14th with more than two inches over areas between Loch Katrine and Loch Quoich. No rain was recorded in the east of Aberdeenshire.

Table 7B The largest Daily Rainfalls in 1947

Date	Div.	Station	Depth	Per cent. of Year	Total for Year
			in.	%	in.
Nov. 20...	XVIII	Loch Quoich (Glenquoich)	6·28	6·4	97·79
Nov. 20...	XVIII	Glenshiel (Kyle)	5·09	4·3	118·28
July 16...	II	Wisley (Outfall Works)	5·04	20·8	24·38
Jan. 15...	XI	Snowdon (Llydaw Intake)	4·83	3·8	128·13
Nov. 20...	XVIII	Glen Cannich (Benula)	4·67	..	*
July 16...	II	Byfleet (Wisley R.H.S. Gardens)	4·53	18·2	24·86
Nov. 21...	X	Borrowdale (The Moraine)	4·50	5·1	88·16

* 1947 record incomplete

Particulars of the seven largest falls of rain during 1947 are given in Table 7B which shows also the total amount for the year at each station and the percentage of this total accounted for by the highest daily fall.

Of the 256 falls which reached or exceeded 2·50 inches, 103 reached or exceeded 3·00 inches, 19 reached or exceeded 4·00 inches, 3 reached or exceeded 5·00 inches and one amounted to 6·28 inches. In view of the relatively large number of entries on November 11, 44 falls below 3 inches have been omitted from the printed list.

In the tables included in the following account of the heavy falls of the year, a daily fall which is the maximum fall for the year at the station is indicated by ordinary roman type; other falls are in *italics*.

CHRONICLE

The amounts in this section cover the 24 hours commencing at 9 a.m. G.M.T. on the day of entry.

An unusually deep depression in the Icelandic region brought very mild weather

January 3rd

	in.	or %
Pembroke		
Maenclochog (Ddolwen Bridge)	3·06	4·6
Letterston (Trecwn House)	2·67	4·8

January 7th

Perth		
Invertrossachs	3·00	4·5

January 12th

Carnarvon		
Snowdon (Llydaw Intake)	3·12	2·4

January 14th

Dunbarton		
Loch Sloy (Coiregrogain)	3·90	3·7
Loch Sloy (Sloy Power Station).....	3·80	3·7
Loch Sloy (Sloy Dam).....	2·88	2·7
Argyll		
Morvern (Kingairloch)	3·40	3·7
Ardgour House.....	3·06	3·5
Glenleven (Blackwater Dam S.).....	*2·83*	*3·0*
Perth		
Glengyle.....	2·60	3·0
Tyndrum (Strathfillan Manse)	*2·76*	*3·3*
Inverness		
Loch Quoich (Glenquoich)	*3·52*	*3·6*
Loch Hourn (Kinlochourn)	*3·26*	*3·5*
Glenleven (Blackwater Dam N.)	*2·64*	*3·0*
Ross and Cromarty		
Glenshiel (Kyle).....	*3·07*	*2·6*

January 15th

	in. or %
Westmorland	
Patterdale Hall	*2·71* *3·0*
Merioneth	
Blaenau Festiniog (Oakeley Qu.)	*2·58* *2·8*
Carnarvon	
Capel Curig (Glyn Curig)	*2·93* *3·5*
Lake Eigiau (Dam Site)	3·18 4·1
Snowdon (Cwm Dyli)	4·45 4·0
Snowdon (Cwm Dyli, Old Road)	4·27 4·0
Snowdon (Llydaw Intake)	4·83 3·8

January 16th

Cumberland	
Borrowdale (The Moraine)	*3·23* *3·7*

Practically all precipitation was in the form of snow during the extremely cold *February* of 1947. The only falls which qualify for inclusion in this Section occurred on the 25th when an Atlantic depression moving north-east across the British Isles brought blizzard conditions with dislocation of traffic in many parts of the country.

February 25th

	in. or %
Carmarthen	
Brechfa	2·85 4·8
Abergorlech	2·70 4·7

There were heavy snowstorms at the beginning of *March*. On the 6th snow lay 36 inches deep at Lake Vyrnwy, 21 inches at Wrexham and 16 inches at Birmingham. Drifts up to 9 ft. deep were reported from Whipsnade. The snow was 17½ inches deep at Harrogate on the 10th and 34 inches at Ushaw, Co. Durham, on the 14th.

On the 10th a depression passed rapidly east across southern England causing heavy precipitation in the south. On the 12th a trough of low pressure, initially over south Ireland and south-west England moved north-east bringing heavy snow to northern districts and sleet or snow turning to rain in the south. The rainfall exceeded half an inch practically everywhere in England and Wales, one inch over most of Wales, from Bodmin Moor to Bournemouth and across the Pennines from Liverpool to Hull, and 2·0 inches over parts of Wales and locally in Devon, Yorkshire and the Isle of Man.

Snowstorms in Scotland during the second week of March were among the worst in recent years. Heavy drifts—up to 25 feet in places—isolated farms and villages and road and rail traffic was seriously interrupted.

March 4th

	in. or %
Oxfordshire	
Chadlington (The Manor)	1·83 7·8
Cornwall	
Crowan (Boswyn Reservoir)	2·65 6·6
Wendron (Nine Maidens)	2·55 4·9

March 5th

Devon	
Dartmouth (Dean's Lodge)	2·57 6·2
Dartmouth	2·61 6·5
Brixham (Combe Bank)	2·79 6·8

March 10th

Surrey	
Pirbright (Bakersgate)	1·62 7·6

March 12th

Devon	
Princetown (H.M. Prison)	2·57 3·2
Yorkshire	
Huddersfield (Oakes)	3·06 7·0
Northumberland	
Ilderton (Lilburn Tower Gardens)	2·46 7·6
Glamorgan	
Rhondda W.W. (Llyn Fawr Res.) *n.g.*	2·94 3·5
Gelli-galed Recreation Ground	*2·54* *3·7*
Treorchy Pumping Station	2·62 3·7
Ferndale Park	*2·59* *3·8*
Treherbert Park	2·72 3·5
Treherbert (Tyn-y-waun) *n.g.*	2·90 3·6
Rhondda (Castell Nos Reservoir)	*2·77* *3·6*
Rhondda (Lluest Wen Filter) *n.g.*	*2·76* *3·6*
Rhondda (Lluest Wen Reservoir)	*2·50* *3·1*
Pembroke	
Maenclochog (Ddolwen Bridge)	*2·60* *3·9*
Brecon	
Cardiff W.W. (Beacons Reservoir)	2·51 3·4
Taf Fechan (Neuadd Res.) 1A	3·42 4·5
Taf Fechan (Neuadd Res.) 4	3·22 4·3
Taf Fechan (Neuadd Res.) 11	3·14 4·4
Taf Fechan (Neuadd Res.) 11A	3·36 4·6
Montgomery	
Machynlleth (Plas Llwyn Gwern)	2·70 4·2
Merioneth	
Blaenau Festiniog (Oakeley Qu.)	*3·24* *3·5*
Blaenau Festiniog (Llechwedd Qu.)	*2·73* *3·2*
Dolgelley (Bronygader)	2·60 3·9
Carnarvon	
Snowdon (Cwm Dyli)	*2·75* *2·5*
Snowdon (Cwm Dyli, Old Road)	*2·70* *2·5*
Isle of Man	
Ronaldsway Airport	2·74 7·9

March 13th

	in.	or %
Carnarvon		
Snowdon (Llydaw Intake)	*4·19*	*3·3*

March 16th

Carnarvon		
Snowdon (Llydaw Intake)	*2·77*	*2·2*
Co. Down		
Silent Valley (Belfast W.W.)	2·84	5·3

The thawing of the accumulated snow was accompanied by frequent rain in the latter half of March and resulted in unprecedented floods. All across southern England, from the Bristol Channel to the Wash, the deepest, strongest and most persistent floods on record caused inestimable damage and much loss of life. The extent of the flooding was phenomenal. In all, at some time or another during the floods, 690,000 acres of land were inundated—an area roughly equal to the farming area of the whole county of Kent. The story of these great floods is told in an official publication " Harvest Home " published by H.M. Stationery Office. The subject is dealt with also in " The Spring Floods of 1947 " published in the *Journal of the Institution of Water Engineers*, Vol. II, No. 1, February 1948.

Depressions moving eastwards across or to the north of the country during *April* caused frequent heavy rains, especially in Scotland and the north of England.

On the 5th amounts exceeding one inch were widespread over the mountainous districts in the west from Dartmoor to Ross-shire but in the south-eastern half of England few measurements exceeded half-an-inch. On the 21st there was more than an inch over most of England north of Kendal and over parts of the Southern Uplands and western Grampians.

April 5th

	in.	or %
Cumberland		
Borrowdale (The Moraine)	*2·50*	*2·8*
Watendlath Farm	*2·50*	*3·2*
Grange-in-Borrowdale (Bield)	*2·98*	*3·7*
Keswick (Lingholm Gardens)	*3·00*	*4·4*
Keswick (High Hill)	*2·51*	*4·6*
Hawes Water (Burn Banks)	*2·80*	*4·1*
Westmorland		
Patterdale Hall	*3·05*	*3·4*
Rydal (The Hall)	2·53	3·3
Glamorgan		
Rhondda (Lluest Wen Reservoir)	*2·54*	*3·1*
Ayr		
Afton Reservoir (Filters)	3·25	4·1
Perth		
Glen Lyon (Meggernie Castle)	2·81	4·1
Inverness		
Loch Quoich (Glenquoich)	*2·80*	*2·9*
Loch Hourn (Kinlochourn)	*2·50*	*2·6*

April 6th

Ross and Cromarty		
Glenshiel (Kyle)	*3·98*	*3·4*

April 7th

Carnarvon		
Snowdon (Llydaw Intake)	*3·90*	*3·0*

April 8th

Yorkshire		
Redcar	1·72	7·8
Middlesbrough (Albert Park)	1·68	8·0

April 15th

Inverness		
Glen Loy (Erracht)	*2·60*	*4·0*
Ross and Cromarty		
Glenshiel (Kyle)	*2·56*	*2·2*

April 21st

Durham		
Middleton-in-Teesdale (Newbiggin)	2·68	5·6
Stanhope (Parson Byers Quarry)	2·65	7·0
Burnhope Reservoir	3·30	5·9
Allenheads	3·21	6·2
Cumberland		
Watermillock (Lake View)	3·10	5·5
Penrith (Hutton John)	2·75	6·2
Troutbeck (Wellbank)	2·79	4·7
Borrowdale (The Moraine)	*2·83*	*3·2*
Watendlath Farm	3·20	4·1
Thirlmere (Dale Head Hall)	3·22	3·8
Grange-in-Borrowdale (Bield)	4·10	5·1
Keswick (Lingholm Gardens)	3·40	5·0
Keswick (High Hill)	2·90	5·3
Braithwaite (Blackwood)	3·00	4·8
Hawes Water (Burn Banks)	3·21	4·7
Westmorland		
Patterdale Hall	3·66	4·1
Penrith (Lowther Gardens)	2·76	6·9

April 26th

Inverness	*in.*	or %
Loch Hourn (Kinlochourn)	2·60	2·8

Thunderstorms in Yorkshire on *May* 30 were accompanied by torrential rain (see also Section 6). In Leeds, buildings were struck by lightning, roads flooded and electricity and telephone services were dislocated in the heaviest storm the city had experienced for some years. Serious flooding also occurred in Bradford and Mytholmroyd. In both these places people were cut off in upstairs rooms by the floods and were rescued by N.F.S. men.

May 30th

Yorkshire	*in.*	or %
Huddersfield (Oakes)	*2·54*	*5·8*
Rishworth Lodge	*2·68*	*5·5*
Bolton Abbey	2·65	6·8

Generally heavy rain in Scotland on *June* 5 was associated with a depression which had moved north from the Bay of Biscay.

June 5th

Banff	*in.*	or %
Drummuir Castle	2·90	8·6
Cullen House Gardens	2·02	7·6
Moray		
Fochabers (Gordon Castle)	2·15	8·2
Lhanbryde (Blackhills House)	2·40	8·2
Elgin (The Bield)	1·89	8·3
Elgin (Lesmurdie).....	2·04	8·4
Elgin (Newton Nursery)	1·83	8·3

June 17th

Co. Down		
Mourne Mountains (Fofanny Res.) .	*2·63*	*2·8*

Unstable conditions towards the end of June gave rise to widespread thunderstorms. Those of the 27th were particularly severe in east and south-east England where many observers recorded falls of remarkable intensity (see Section 6). In London, train, bus and tram services were stopped; some tube-trains were held up by electricity failures. The Post Office reported that on the 28th in the London telecommunications region 13,260 subscribers' lines were still out of action as a result of the storms. A detailed account of the storm was published in the *Meteorological Magazine* for August 1947. Rainfall amounts exceeded an inch near Horsham and over a narrow belt extending from Croydon through Cambridge to Kings Lynn and Skegness.

June 27th

London	*in.*	or %
Nunhead (Nunhead Reservoir)	1·37	7·6
Greenwich (Royal Observatory)	1·63	8·0
Lewisham (Forest Hill Reservoir) ..	1·63	8·6
Isle of Dogs (Island Gardens)	1·63	9·2
Old Ford (Penstock House)	1·62	8·5
Middlesex		
Ponders End Pumping Station	1·60	8·0
Enfield (Roselands, Turkey Street) ..	1·54	7·7
Hertfordshire		
Cheshunt Cemetery	1·63	7·9
Cheshunt Yard	1·60	8·0
Cambridgeshire		
Ashwell (Odsey)	1·59	8·7
Ely (Prickwillow)	1·40	7·5
Chatteris (The Vicarage)	1·49	7·7
March	2·80	10·0
Upwell (Marmont Priory Lock)	1·53	8·5
Thorney Toll (Elm Tree Farm)	1·51	7·6
Parson Drove (Clows Cross)	*1·60*	*8·8*
Essex		
West Ham (Abbey Mills)	1·76	8·0
Chingford Mill	1·84	9·2
Lincolnshire		
Tydd (North Level Sluice)	1·67	8·3
Long Sutton (White House Farm) ..	1·49	9·5
Wyberton (Tytton Hall)	1·44	7·8
Wyberton (Slippery Gowt Farm) ...	1·50	8·6
Boston (Black Sluice, Skirbeck)	1·49	7·8
Boston (Cooks Lock)	1·50	8·6
Boston (Church Road Pumping Stn.)	1·64	8·4
Boston (Freiston Road)	1·56	8·1
Boston (Grand Sluice)	1·56	8·6
Boston (Cowbridge)	1·44	7·7
Sibsey (Wragg Hall).....	1·20	9·2
New Leake (Lade Bank Engine)	1·40	7·6
Hagworthingham (Manor House) ..	1·49	7·6

June 28th

Kent		
Manston (Airfield)	1·47	7·5

June 29th

Kent		
Sandwich (Loop Street).....	1·82	8·9

June 30th

Cambridgeshire		
Parson Drove (Clows Cross)	1·69	9·3

Essex	*in.*	or %
Witham (Faulkbourne Hall)	1·93	8·4
Braintree (Coggleshall Road)	2·50	9·4
Suffolk		
Bury St. Edmunds (Barton Lodge)	1·74	8·9
Hengrave Hall	1·50	7·7
Lincolnshire		
Crowland	1·42	8·2

Widespread and severe thunderstorms occurred between *July* 14 and 19 and a large number of notably heavy falls in short periods were recorded (see Section 6). The rainfall measurements for July 16 in the Wisley–Byfleet area (4·40 to 5·04 inches) easily eclipsed all previous records for Surrey. In the previous 82 years, i.e. from 1865 to 1946, the heaviest daily falls recorded in the county were 4·10 inches at Farnham on July 10, 1927 and 4·07 inches at Wisley on July 22, 1924. There was no measurable rain on July 16 at Aldershot and Windsor, some 18 miles to the west and north of Wisley, or over the south-west of England and Wales generally, although over much of the remainder of Great Britain the amounts were of the order of half-an-inch and in places more. Amounts exceeded one inch in separated areas between Wisley and Eastbourne and in a parallel belt between Chatham and Hastings. Falls exceeding one inch also occurred over considerable areas around Manchester and in the south and east of Scotland.

July 14th

Surrey	*in.*	or %
Weybridge (Weyland Sewage Works)	1·45	7·5
Buckingham		
Slough (Baylis House)	1·80	8·5
Gloucester		
Tewkesbury (Upper Lode)	1·73	7·9
Tewkesbury (Pumping Station)	1·88	9·2

July 15th

Perth		
Glen Tilt (Clachglas)	2·70	6·5

July 16th

Surrey		
Byfleet (Wisley R.H.S. Gardens)	4·53	18·2
Wisley (Outfall Works)	5·04	20·8
West Byfleet (Scotland Bridge)	4·40	17·6
Kent		
Rye (R.A.F. Station)	1·72	8·0
Brookland (Poplar Hall)	1·70	8·0
Wittersham (Mount Pleasant)	3·60	13·1
Tenterden (East Hill)	2·91	11·5
Headcorn (Great Tong)	2·65	12·2
Langley (Rumwood Court)	2·56	11·3
Bearstead (Thurnham Pumping Stn.)	2·30	9·4
Maidstone Waterworks (Boxley)	2·48	11·2
Chatham (Luton Waterworks)	1·94	8·6
Sussex		
Piltdown	2·10	7·6
Piltdown (Ringwood)	2·00	7·9
Hellingly (Mental Hospital)	2·37	8·5
Hastings (Newgate)	2·19	8·4
Hastings (Halton Reservoir)	2·08	7·8
Odimore (The Wick)	1·95	7·9
Cheshire		
Stockport (Isolation Hospital)	2·45	9·5
Stockport (Sewage Works)	2·79	10·1
Lancashire		
Liverpool (Mayfield Close)	2·62	8·7

July 17th

London		
Buckingham Palace	1·97	8·5

July 18th

Oxfordshire		
Woodstock (Sandford St. Martin)	3·70	14·5
Steeple Aston (The Grange)	1·87	7·5
Whitchurch (The Haven)	1·85	8·1
Shropshire		
Bridgnorth (Morville Hall)	2·01	7·7
Hilton (Pumping Station)	2·62	9·9
Ackleton (The Folley)	2·44	9·2
Pattingham (Kingslow Hall)	2·90	11·8
Shifnal (Cosford Waterworks)	2·00	7·9
Staffordshire		
Kingswinford (Ashwood P.S.)	1·97	7·8
Westmorland		
Temple Sowerby	2·24	7·5
Flint		
Cilcain (No. 2 Reservoir)	2·83	8·0
Denbigh		
Wrexham (Grove Park County Sch.)	2·37	7·8
Argyll		
Strachur Park	2·72	3·9

July 19th

Kent		
Margate	1·45	7·6
Strood Waterworks	1·83	8·1
Middlesex		
Potters Bar (Mount Grace)	2·30	9·4

	in.	or %
Hertfordshire		
Northaw School	1·75	8·1
Essex		
Writtle (Institute of Agriculture)	1·58	7·9
Rayne (Staneway)	1·81	7·7
Shropshire		
Shrewsbury (Frodesley Hall)	3·91	12·9
Staffordshire		
Wednesbury (Ocker Hill)	2·20	7·6
Leicestershire		
Leicester (Town Hall Square)	1·73	8·4
Leicester (Woodville Road)	1·83	8·5
Leicester (Gilroes Cemetery)	1·83	8·5
Derbyshire		
Etwall (Blakeley Lodge)	1·96	8·9
Etwall (Sewage Farm)	2·08	8·7
Flint		
Mostyn	2·55	8·2

July 20th

Co. Down		
Mourne Mountains (Fofanny Res.)	3·87	4·1

July 26th

Northumberland		
Whitley Bay (Marden House)	1·82	7·5
Morpeth (Cockle Park)	2·44	8·6

In an exceptionally dry *August* over the country generally the only falls which qualify for inclusion in the Chronicle occurred in a violent thunderstorm to the northwest of London on the 23rd (see also Section 6). The storm broke an absolute drought which had lasted for 18 days.

August 23rd

	in.	or %
Middlesex		
Sudbury (Station Approach)	3·32	13·1
Harrow (Oakhurst)	2·25	9·2

The few noteworthy entries in *September* were confined to the northern half of Britain. Precipitation was deficient over most of the country in *October* but heavy rain fell in the west of Scotland on the 11th.

September 14th

	in.	or %
Westmorland		
Patterdale Hall	*3·02*	*3·4*
Carnarvon		
Snowdon (Llydaw Intake)	*3·28*	*2·6*

September 22nd

Sutherland		
Loch More (Achfary)	2·74	3·8

September 30th

	in.	or %
Inverness		
Lochailort (Arienskill)	2·52	3·5

October 11th

Inverness		
Loch Hourn (Kinlochourn)	*2·67*	*2·8*
Glenleven (Blackwater Dam, N.)	2·94	3·3

Unsettled conditions with frequent heavy rains in northern and western districts characterised *November* 1947. Rainfall was much less in the south and east. On the 11th, which provides the longest list of heavy falls for any day in 1947, more than 3 inches was recorded widely in the Pennines and the English Lake District and more than 4 inches locally in North Wales. In view of the large number of entries, 44 falls below 3 inches have been omitted from the printed list. There was more than half-an-inch over most o central and southern Scotland, the Pennines and northern England and over Wales. The River Conway overflowed its banks in what was described as " the worst flood for years " and there was serious flooding in Wensleydale and other parts of Yorkshire and Lancashire. The rain was welcomed by farmers in the Midlands where ploughing and sowing operations had been held up by the hard state of the ground consequent upon the very dry October.

November 8th

	in.	or %
Cumberland		
Borrowdale (The Moraine)	*2·62*	*3·0*
Carnarvon		
Snowdon (Cwm Dyli)	*2·68*	*2·4*
Snowdon (Cwm Dyli, Old Road)	*2·52*	*2·4*
Argyll		
Morvern (Kingairloch)	*2·65*	*2·9*

November 9th

Carnarvon		
Snowdon (Llydaw Intake)	*3·81*	*3·0*

November 11th

Lancashire		
Littleborough (Blackstone Edge)	3·03	6·8
Rochdale (Spring Mill, Whitworth)	3·05	6·1
Barley (Ogden Reservoir)	3·22	6·0
Pendle Hill (Buttock)	3·82	6·8
Coniston (Holywath)	3·40	4·2

Yorkshire	*in.*	or %
Greenfield (Chew Mount)	3·13	6·4
Dunford Bridge (Stoney Gate)	3·34	6·5
Dunford Bridge Reservoir	3·91	7·3
Dunford Bridge (Harden)	3·25	6·2
Great Hey	3·87	6·1
Hey Springs	3·64	5·9
Holmbridge (Yateholme)	3·59	6·1
Holmbridge (Ramsden)	3·70	6·6
Holmfirth (Snape Reservoir)	3·10	6·7
Marsden (Deer Hill) *o.g.*	3·36	6·9
Slaithwaite (Blackmoorfoot)	3·02	6·7
Slaithwaite (Deanhead Reservoir)	3·10	6·1
Rishworth (Gt. Walden Edge) *n.g.*	3·32	6·3
Soyland Moor (Byron Edge)	3·58	7·4
Walsden (White Holme)	3·40	7·6
Oughtershaw Hall	3·05	4·9
Hawes Junction (Moorland Cottage)	3·28	5·1
Cumberland		
Borrowdale (The Moraine)	*3·60*	*4·1*
Watendlath Farm	*3·03*	*3·9*
Westmorland		
Ambleside (Market Square)	3·36	4·5
Rydal (High Close)	3·62	4·5
Merioneth		
Blaenau Festiniog (Oakeley Qu.)	4·32	4·7
Blaenau Festiniog (Llechwedd Qu.)	3·80	4·4
Carnarvon		
Capel Curig (Glyn Curig)	4·02	4·8
Snowdon (Cwm Dyli)	*3·63*	*3·2*
Snowdon (Cwm Dyli, Old Road)	*3·62*	*3·4*
Snowdon (Llydaw Intake)	*3·62*	*2·8*

On the 20th a large complex and rather deep depression covered the north-east Atlantic. In front of this system very mild tropical air drawn from south of the Azores flowed over the British Isles and there was a rapid change from cold to very mild, humid conditions. Widespread heavy rain occurred in the west and north on the 20th and 21st. More than 4 inches of rain was recorded by many observers in the Scottish Highlands on the 20th. At Glenquoich 6·28 inches was measured and at Glenshiel (Kyle) 5·09 inches, these being the two highest daily readings of the year. The distribution of the rainfall over the country was of the orographical type, with more than an inch over the mountainous districts of western Scotland and no measurable rain in most coastal districts from Peterhead to Berwick-on-Tweed. Extensive damage was caused by floods due to the heavy rains and melting snow. Landslides occurred in Inverness-shire, Ross and Sutherland and traffic was impeded. The *Scotsman* reported:

> "A widespread trail of havoc was left by the unprecedented floods which swept the Lochaber district of Inverness-shire. The valley of the River Nevis was turned into a raging torrent and the flood waters carried away cattle, sheep and wooden buildings, uprooted trees and inundated houses.. . . The foundations of a bridge at Kingshouse on the Glencoe Road were shifted, and the bridge was deemed unsafe for traffic. . . A bridge on the Badrallach Road, near Dundonnel House, has been washed away. The River Orrin was in flood, and over three feet of water spread for miles over agricultural land."

Further heavy falls occurred over high ground in the west on the 21st.

November 20th

Cumberland	*in.*	or %
Watendlath Farm	*2·75*	*3·5*
Dunbarton		
Loch Sloy (Coiregrogain)	*3·65*	*3·4*
Loch Sloy (Sloy Power Station)	*2·87*	*2·8*
Argyll		
Morvern (Kingairloch)	*2·64*	*2·9*
Ardgour House	*2·71*	*3·1*
Glenleven (Blackwater Dam, S.)	*2·91*	*3·1*
Glenleven (Kinlochleven)	3·67	4·4
Loch Awe (Inverinan)	3·57	5·0
Inveraray Castle Gardens	2·84	3·8
Lochgoilhead (Ardgoil)	2·55	3·2
Perth		
Loch Dhu	2·75	3·3
Brig of Turk	2·54	3·6
Strathyre	2·80	3·4
Lochearnhead (Ardloch)	2·71	4·0
Tyndrum (Strathfillan Manse)	3·46	4·2
Inverness		
Loch Quoich (Glenquoich)	6·28	6·4
Glen Affric (Affric Lodge)	2·72	4·6
Loch Hourn (Kinlochourn)	4·45	4·7
Glen Loy (Erracht)	4·24	6·5
Loch Arkaig (Achnacarry)	2·72	4·0
Clunes (Loch Lochy West)	2·80	4·4
Fort William (The Factory)	3·82	6·4
Spean Bridge (Spean Lodge)	3·50	6·5
Spean Bridge (Gairlochy)	4·45	6·9
Onich	2·95	4·1
Onich (Corran Garden)	2·66	3·9

	in.	or %
Glenleven (Blackwater Dam, N.) ...	*2·80*	*3·1*
Fort William (Teviot)	4·03	5·8
Fort William (Glasdrum)	4·05	5·6
Glen Cannich (Benula)	4·67	—
Ross and Cromarty		
Glenshiel (Kyle)	5·09	4·3
Loch Duich (Ratagan)	2·50	3·9
Achnashellach	2·97	4·5

November 21st

Cumberland		
Borrowdale (The Moraine)	4·50	5·1
Watendlath Farm	*2·61*	*3·3*
Glamorgan		
Rhondda (Lluest Wen Reservoir) ...	3·04	3·8
Merioneth		
Blaenau Festiniog (Oakeley Qu.) ...	*3·60*	*3·9*
Blaenau Festiniog (Llechwedd Qu.) .	*3·29*	*3·8*
Carnarvon		
Capel Curig (Glyn Curig)	*2·23*	*3·9*
Snowdon (Cwm Dyli)	*3·85*	*3·4*
Snowdon (Cwm Dyli, Old Road) ...	*3·75*	*3·5*
Snowdon (Llydaw Intake)	*3·45*	*2·7*
Argyll		
Glenleven (Blackwater Dam, S.)	*2·79*	*3·0*
Ross and Cromarty		
Glenshiel (Kyle)	*2·55*	*2·2*

On *December* 25 a deep depression near Iceland moved south-east and then east. Gales occurred at a number of places on the 26th and there was considerable precipitation. Serious floods followed in mid-Wales. The rivers Severn, Wye, Dovey and Vyrnwy overflowed their banks and on the morning of the 27th thousands of acres were submerged with only hedgerows and trees to be seen.

December 26th

Glamorgan	*in.*	or %
Ogmore Vale	2·68	3·6
Gelli-Galed Recreation Ground	2·61	3·8
Ferndale Park	2·62	3·8
Rhondda (Castell Nos Reservoir) ...	2·86	3·7
Rhondda (Lluest Wen Filter) *n.g.* ..	2·88	3·8
Rhondda (Lluest Wen Reservoir) ...	*2·88*	*3·6*
Merioneth		
Blaenau Festiniog (Oakeley Qu.) ...	*2·87*	*3·1*
Carnarvon		
Snowdon (Llydaw Intake)	*3·64*	*2·8*

8 Monthly Rainfall in 1947

INFORMATION as to the rainfall of the months of 1947 over Great Britain and Northern Ireland is set out in this section in various forms:

(1) Table 8A gives general values of the monthly and annual rainfall over the constituent areas separately. Similar values for previous years have been given in earlier volumes, except in the case of Northern Ireland which is included in the volume for 1940-1942 for the first time.

(2) Details are given of some of the largest and smallest monthly totals of rainfall reported during 1947.

(3) In Table 8C the monthly and annual totals of rainfall are set out for 334 stations, distributed as evenly as possible over the country.

(4) Table 8D gives the monthly and annual falls expressed as percentages of the averages for 1881 to 1915. It is confined to 123 stations for which averages are available. The monthly totals, in inches, for stations in 8D are given in Table 8C. At the end of Table 8D general monthly percentage values are given for England, Wales, England and Wales, Scotland and Northern Ireland.

Table 8A General Rainfall for 1947, computed from the average, 1881-1915, by applying the general percentage values given in Tables 8D and 10B to the General Average Values.

Months	England	Wales	Isle of Man	England and Wales	Scotland	Northern Ireland
	in.	in.	in.	in.	in.	in.
January	2·9	6·1	4·9	3·3	5·5	3·6
February	2·1	2·1	1·0	2·1	1·8	1·3
March	6·3	9·5	7·8	6·8	4·3	4·9
April	2·8	4·8	4·5	3·0	6·4	4·0
May	2·1	3·9	4·0	2·3	3·7	4·2
June	2·6	3·3	5·0	2·7	4·1	4·6
July	2·5	3·7	3·4	2·7	3·8	4·0
August	·5	·8	·3	·5	·2	·6
September	1·8	3·0	2·8	2·0	5·5	3·3
October	·7	1·3	·8	·7	2·7	2·2
November	2·5	6·6	7·1	3·0	7·4	5·9
December	3·0	4·6	2·3	3·3	3·4	3·2
Year	29·8	49·7	43·9	32·4	48·8	41·8

Table 8B General Monthly and Annual Averages of Rainfall 1881-1915

Months	England	Wales	Isle of Man	England and Wales	Scotland	Northern Ireland
	in.	in.	in.	in.	in.	in.
January	2·69	4·72	3·40	2·99	4·90	3·33
February	2·34	3·94	3·25	2·57	4·18	2·98
March	2·47	3·82	3·03	2·67	4·05	3·05
April	1·98	2·96	2·47	2·12	2·99	2·58
May	2·19	2·95	2·82	2·30	3·01	2·70
June	2·33	3·05	2·54	2·44	2·83	2·86
July	2·75	3·60	3·22	2·87	3·78	3·41
August	3·11	4·71	4·01	3·35	4·51	4·16
September	2·37	3·51	3·22	2·54	4·00	3·01
October	3·69	5·63	4·64	3·97	4·90	3·61
November	3·19	5·25	4·73	3·49	5·29	3·81
December	3·56	6·00	4·97	3·92	5·88	4·16
Year	32·67	50·14	42·30	35·23	50·32	39·66

(5) A set of twelve maps showing cartographically the distribution of the percentage monthly values given in Table 8D is reproduced in this article. The corresponding percentage map for the whole year appears as a frontispiece to the volume.

A set of twelve maps showing the distribution of the actual rainfall in each month, has been prepared on the scale of 16 miles to the inch, based on the values from some 2,000 stations. Owing to the necessity for economy in printing, these maps have not been reproduced in this article.

In Table 8B the average values, taken from the Book of Normals, Table 21A (M.O.236, Section V) are given for comparison with the values for 1947 given in Table 8A. The values for Northern Ireland have been evaluated more recently in the same manner as was adopted previously for the other areas.

General Monthly Rainfall

The general monthly values shown in Table 8A have been computed by applying the percentage values given at the end of Table 8D to the average general values for the period 1881–1915. These computed values in inches have been subsequently slightly adjusted in order that the totals for the year should agree with the totals given in Table 10, which are based on a more exact determination as explained in the text accompanying that table.

Over England and Wales as a whole March was not only the wettest month of the year but it was also the wettest March on record. The two months March and April together gave over England and Wales 9·8 inches, or 28 per cent. of the annual average. This has never been exceeded in any similar period. Over Scotland, where November was the wettest month of 1947, there have been seven wetter Novembers since 1869.

August was exceptionally dry everywhere and was easily the driest August on record over the whole of Britain. There was no

measurable rain at all in scattered areas totalling 400 square miles of country in England and Wales and 2,500 square miles in Scotland. Over England and Wales October also broke previous records for low rainfall, but in Scotland there have been four drier Octobers in the last 80 years. Rainfall was below average over England and Wales as a whole in each month from July to December. The general rainfall in these six months was only 12·2 inches, or 34 per cent. of the annual average. The nearest approach to this low record was 13·2 inches in the corresponding period of 1933.

Extremes of Monthly Rainfall at Individual Stations

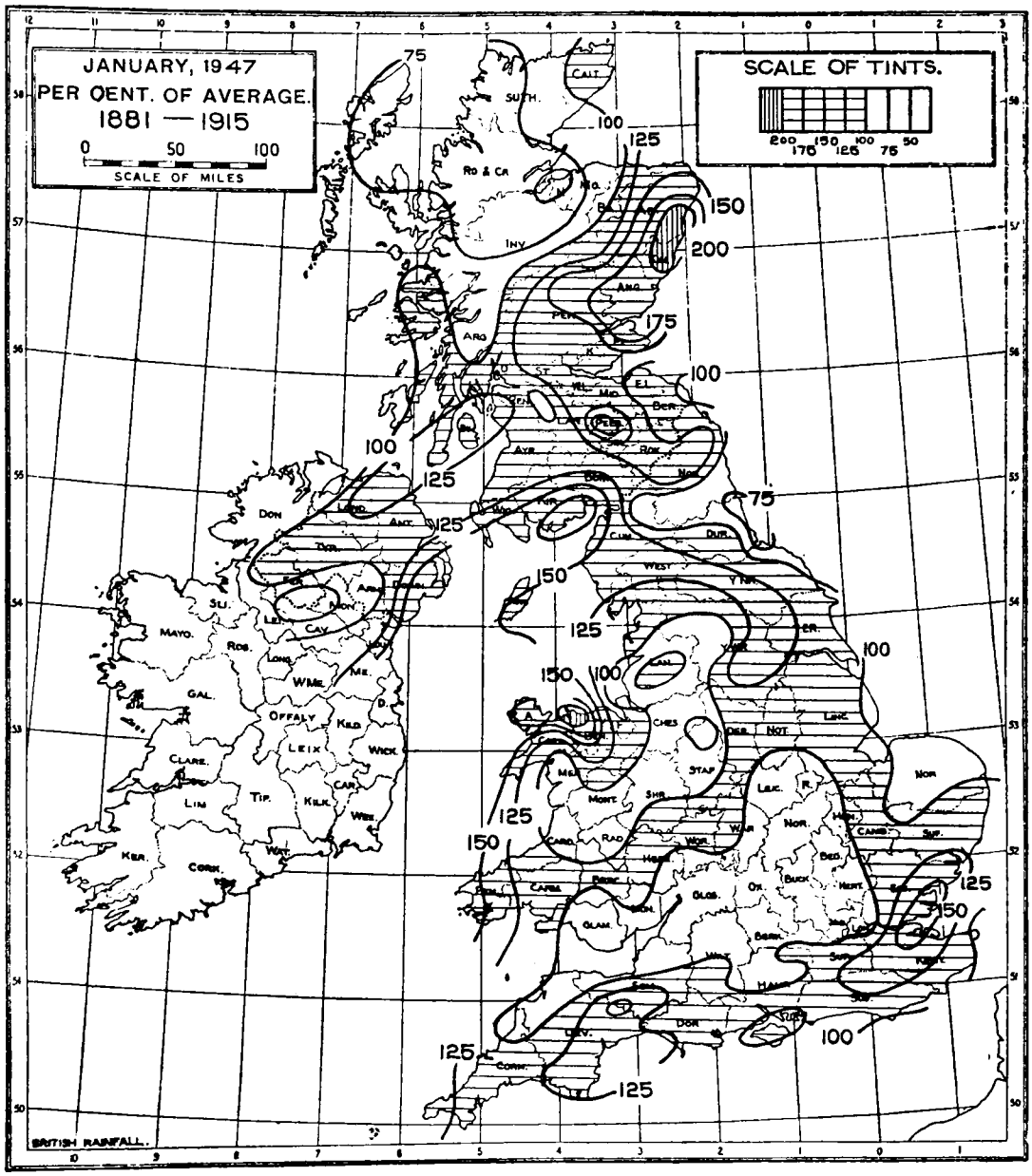
(a) *Monthly Totals:*—The largest monthly totals were recorded in November over England and Wales, viz. 32·0 inches at Sprinkling Tarn, at the head of Borrowdale in Cumberland, and 24·6 inches on Snowdon (Grib Goch). April provided Scotland's largest total, 32·79 inches, at Glenshiel, while in Northern Ireland, March had the maximum monthly amount, *viz.* 11·0 inches at Lough Shannagh, in Co. Down.

There was no rain in February over parts of the Western Highlands as already mentioned. August was rainless over much of England and Scotland. The smallest August total in Wales was ·25 inch at Hawarden Bridge, Flintshire. One station in Northern Ireland, Ballycastle in County Antrim, reported a rainless August.

(b) *Monthly percentage values:*—Areas with more than twice the average are shown on the maps for eight months of the year, and with three times the average on those for March and April. Amongst the largest percentage values were 355 at Birmingham and 345 at Worthing in March, and 386 at Keswick and 379 at Glenshero in April. On the other hand, the percentage was 0 at Loch Quoich and Onich in February, and at 12 stations (see Table 8D) in August.

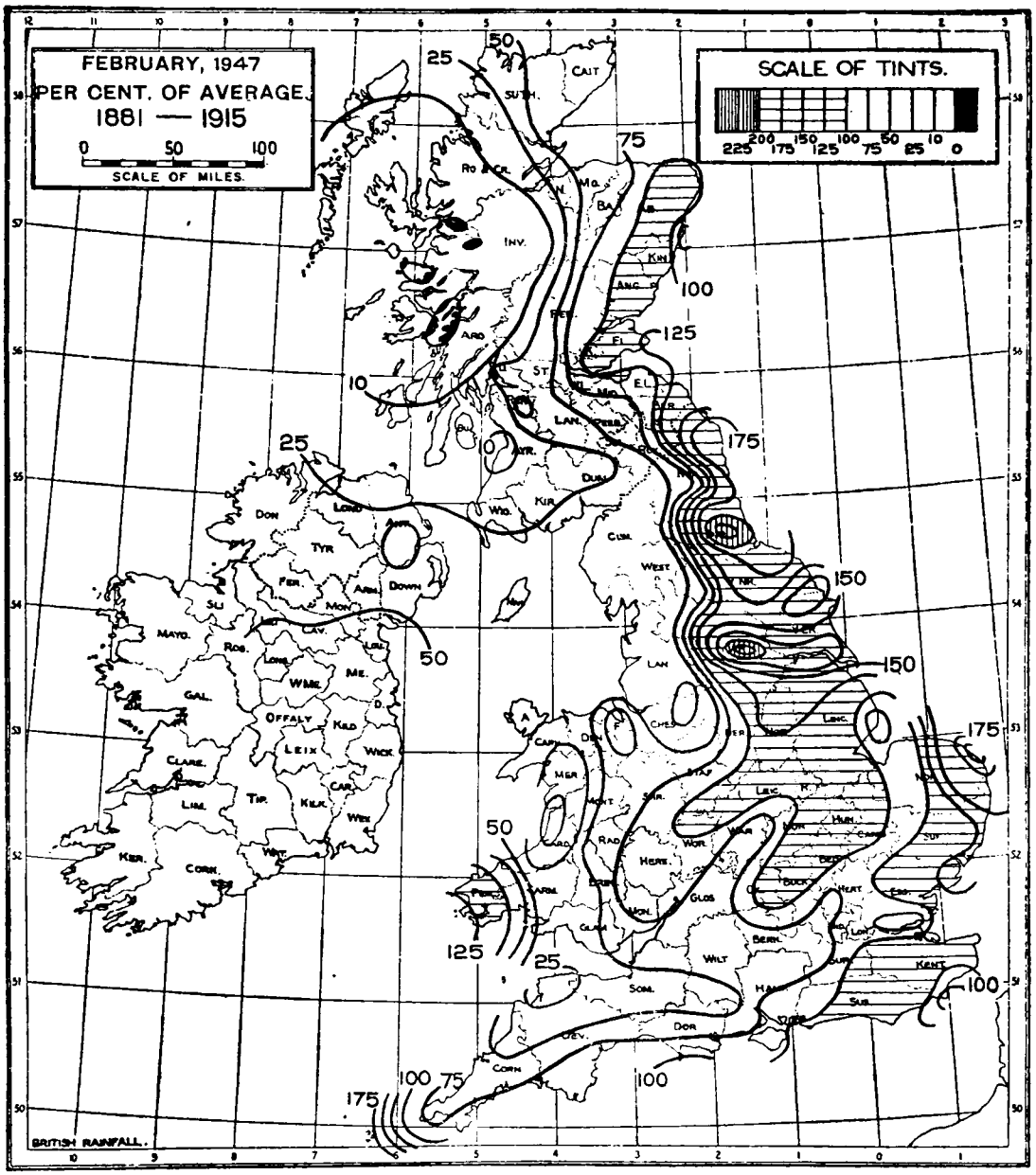
The Rainfall and Weather of the Individual Months

In the following pages maps are given showing the distribution of the rainfall each month expressed as percentages of average together with a short account of the weather. Further details are given in the *Monthly Weather Report* which also includes maps of the distribution of rainfall amounts and of mean pressure and the movements of the centres of the main depressions.



Rainfall, January 1947, as per cent. of average

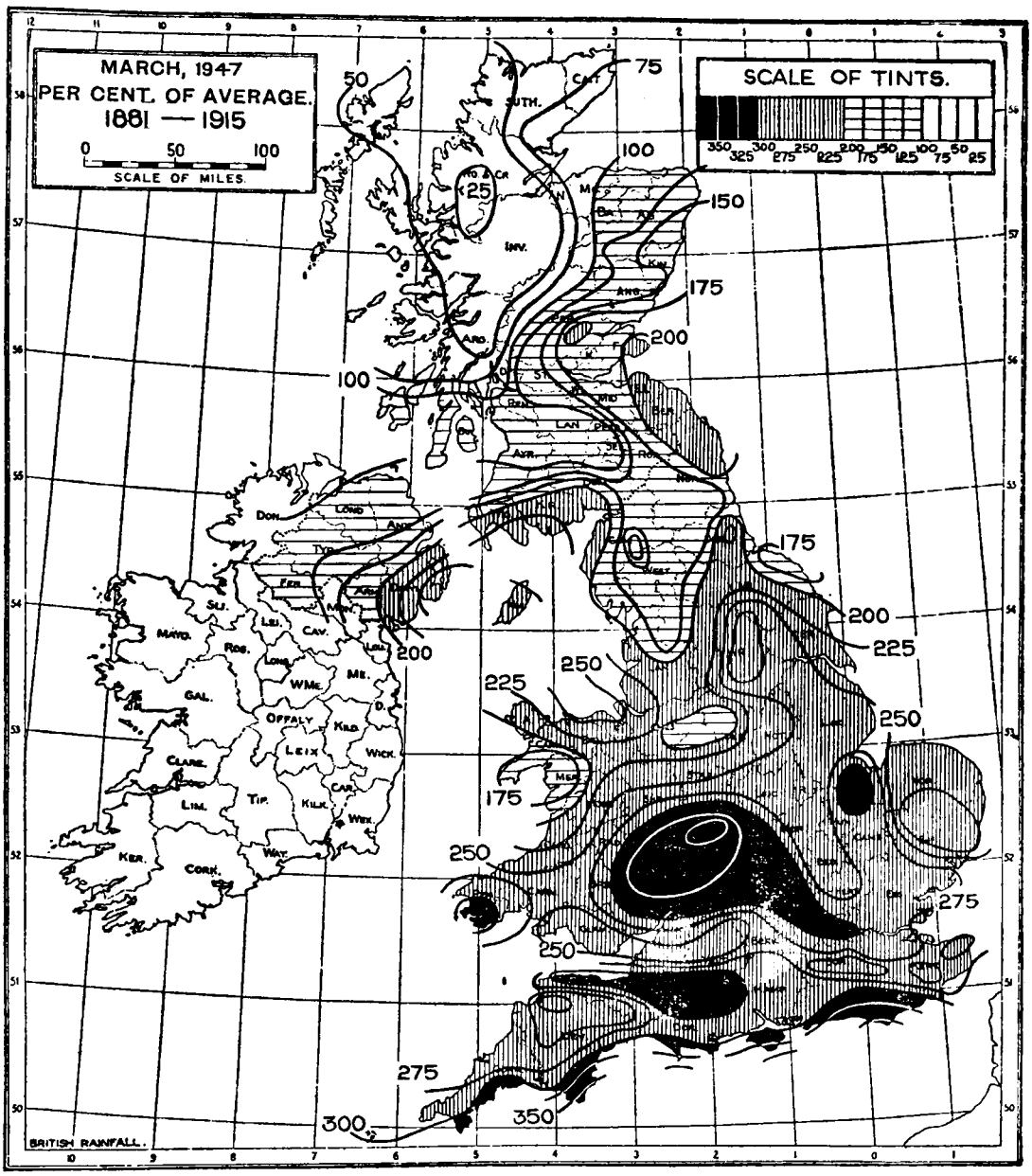
January. Mean pressure exceeded the average in the north and was below average in the south and south-west. There were frequent gales from the 1st to 17th. A very mild spell at the beginning of the third week was succeeded by a period of intense frost. Snow which fell towards the close of the month even affected south-west England. On the 30th it lay to a depth of 7 inches at both Scilly and the Lizard. Rainfall totals were under 2 inches over the Midlands, East Anglia and along the north-east coast. More than 10 inches fell over extensive areas in the west with 15 inches locally in the English Lake District and more than 20 inches at the wettest stations on Snowdon.



Rainfall, February 1947, as per cent. of average

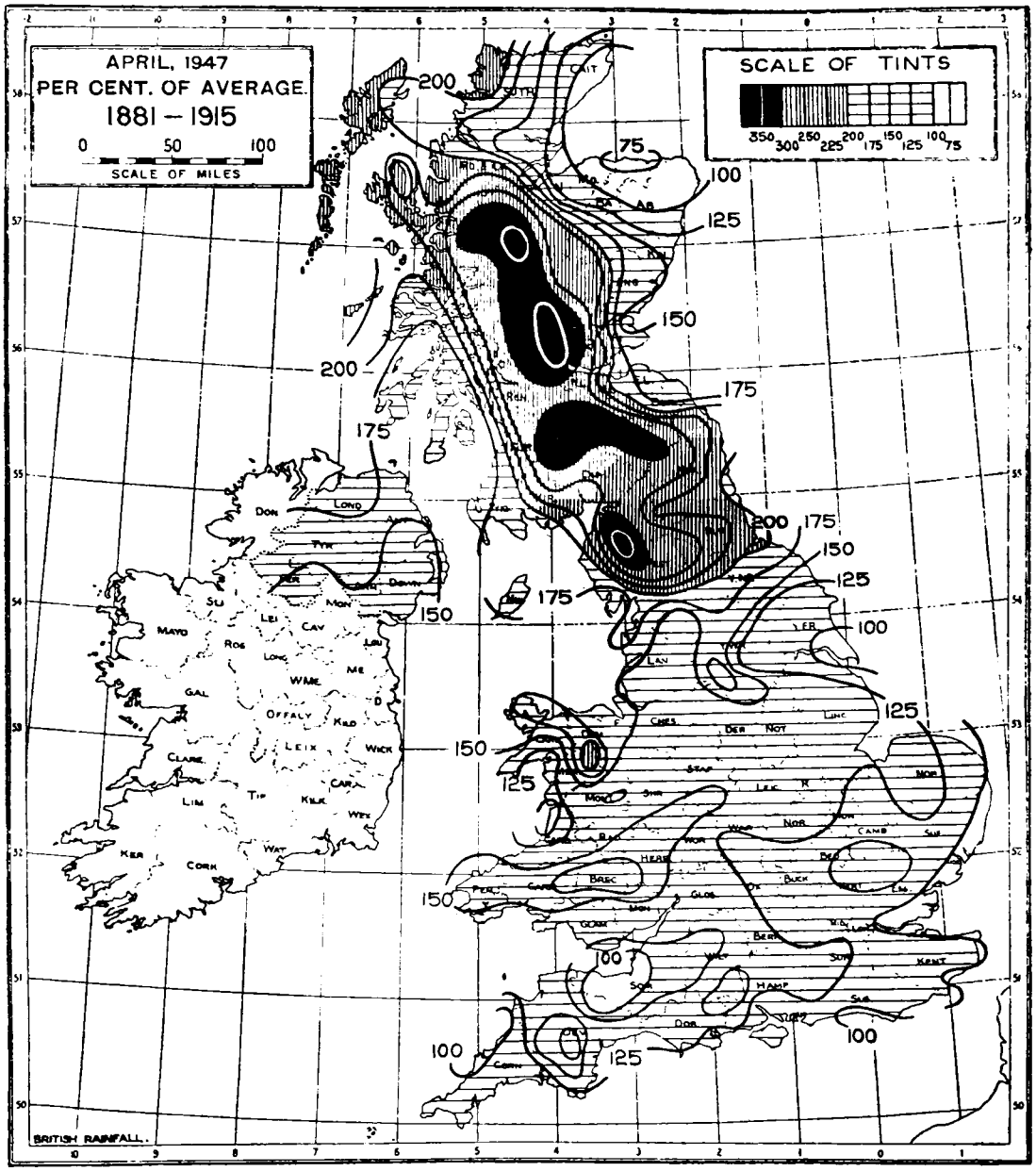
February. The deviation from average of mean pressure at 9 h. ranged from +12·2 mb. at Lerwick to −11·1 mb. at Scilly. The normal pressure distribution was thus reversed and north easterly or easterly winds prevailed until the 22nd. The weather was exceptionally and persistently cold and it was very dull, except in the west of Scotland. Nearly all precipitation was in the form of snow and there were deep drifts in places. The preponderance of easterly winds brought appreciably more than the average fall to eastern districts while in parts of the Western Highlands, e.g. at Glenquoich, Glencoe and Ardgour, there was no measurable precipitation—an event unprecedented in this notoriously wet region.

At Forrest-in-Teesdale, level snow lay 44 in. deep on the 6th and 53 in. on the 18th. Deep drifts caused great dislocation of traffic over much of the country.



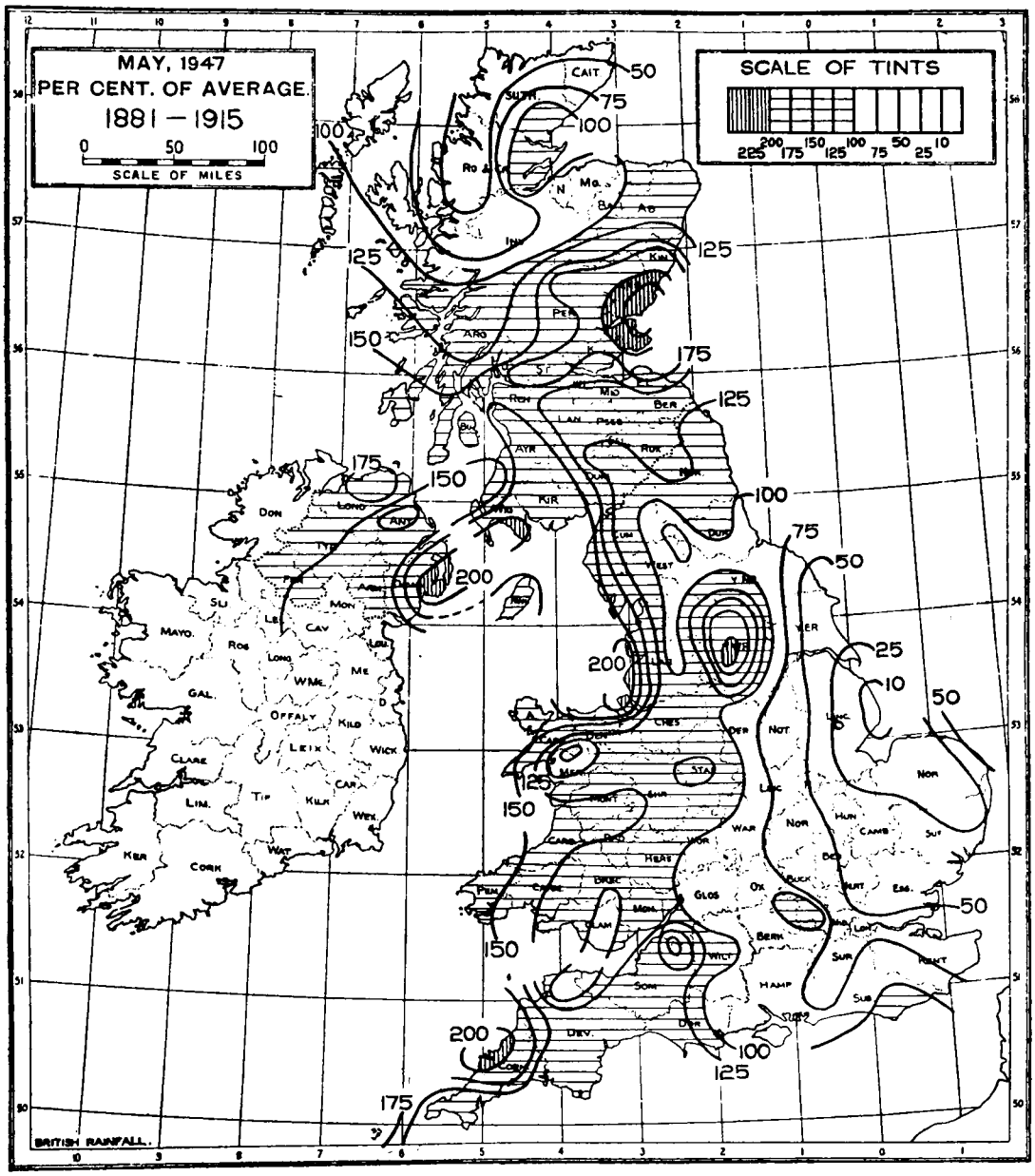
Rainfall, March 1947, as per cent. of average

March. The deviation of mean pressure from average at 9 h. ranged from −3·9 mb. at Lerwick to −14·3 mb. at Scilly. Extreme cold prevailed during the first fortnight with severe snowstorms. Road and rail transport were seriously interrupted by deep snow drifts. The second half was milder but weather continued unsettled with frequent precipitation. The Fen district and much of southern England and the Midlands had three times the average rainfall. Over England and Wales as a whole it was the wettest March on record. Totals were again small in the Western Highlands but there was more than double the average in parts of east and south Scotland. The thawing of the snow, accompanied by frequent rains in the second half of March caused disastrous floods (see Section 7).



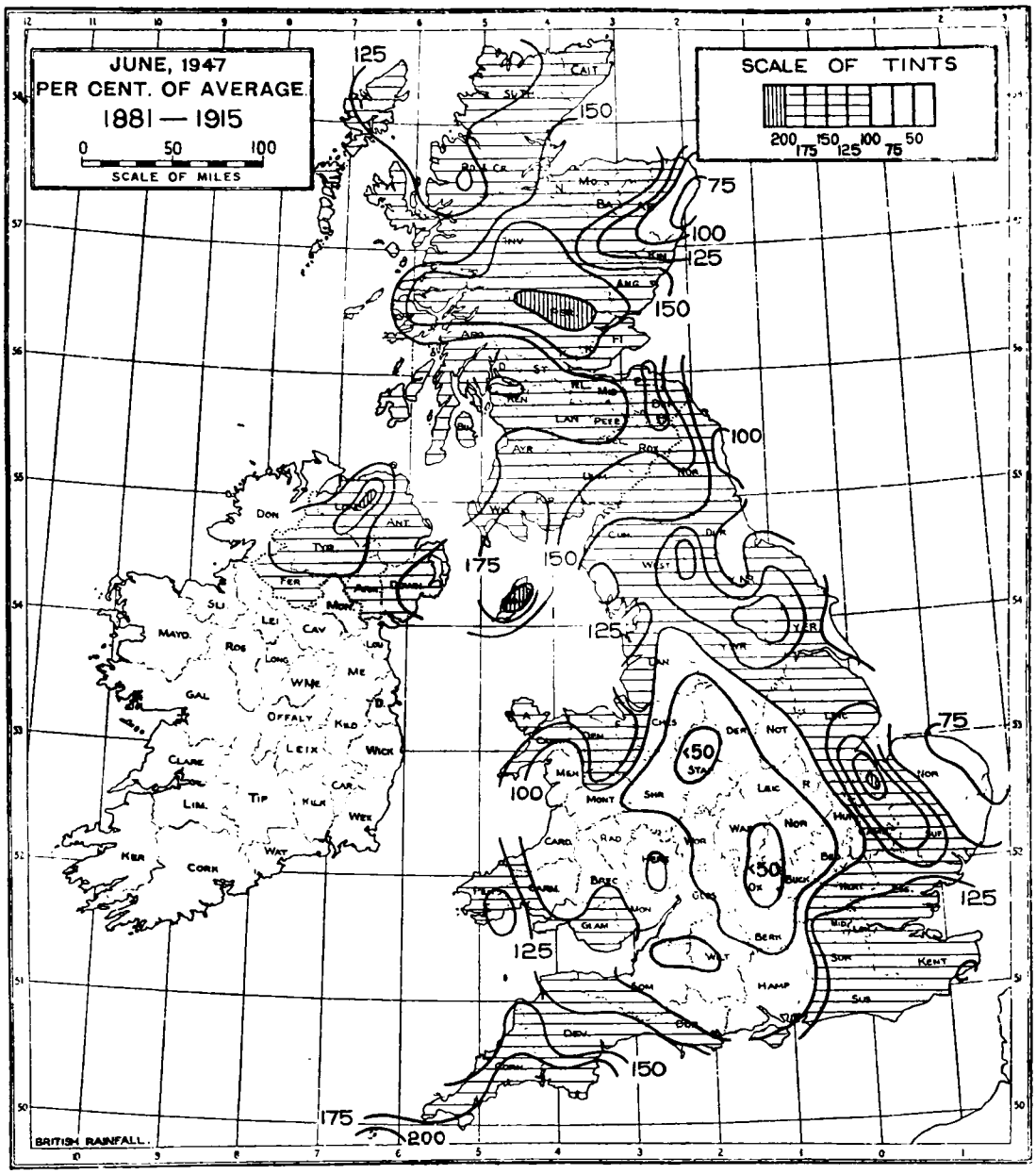
Rainfall, April 1947, as per cent. of average

April. Mean pressure was below average in the north but above average in the south. Dull, wet and rather mild conditions predominated but there was a week of fair weather about the middle of the month. An extremely unsettled period with widespread gales occurred from the 20th to 25th. Sunshine records were generally poor in the west and north but above average in eastern districts. Rainfall totals exceeded the average everywhere except in eastern coastal areas and at a few scattered places in the south of England. More than three times the average fell over much of southern and central Scotland and the English Lake District. Over Scotland as a whole it was the wettest April in a record going back to 1869. At Glenshiel the month's total amounted to 32·7 inches.



Rainfall, May 1947, as per cent. of average

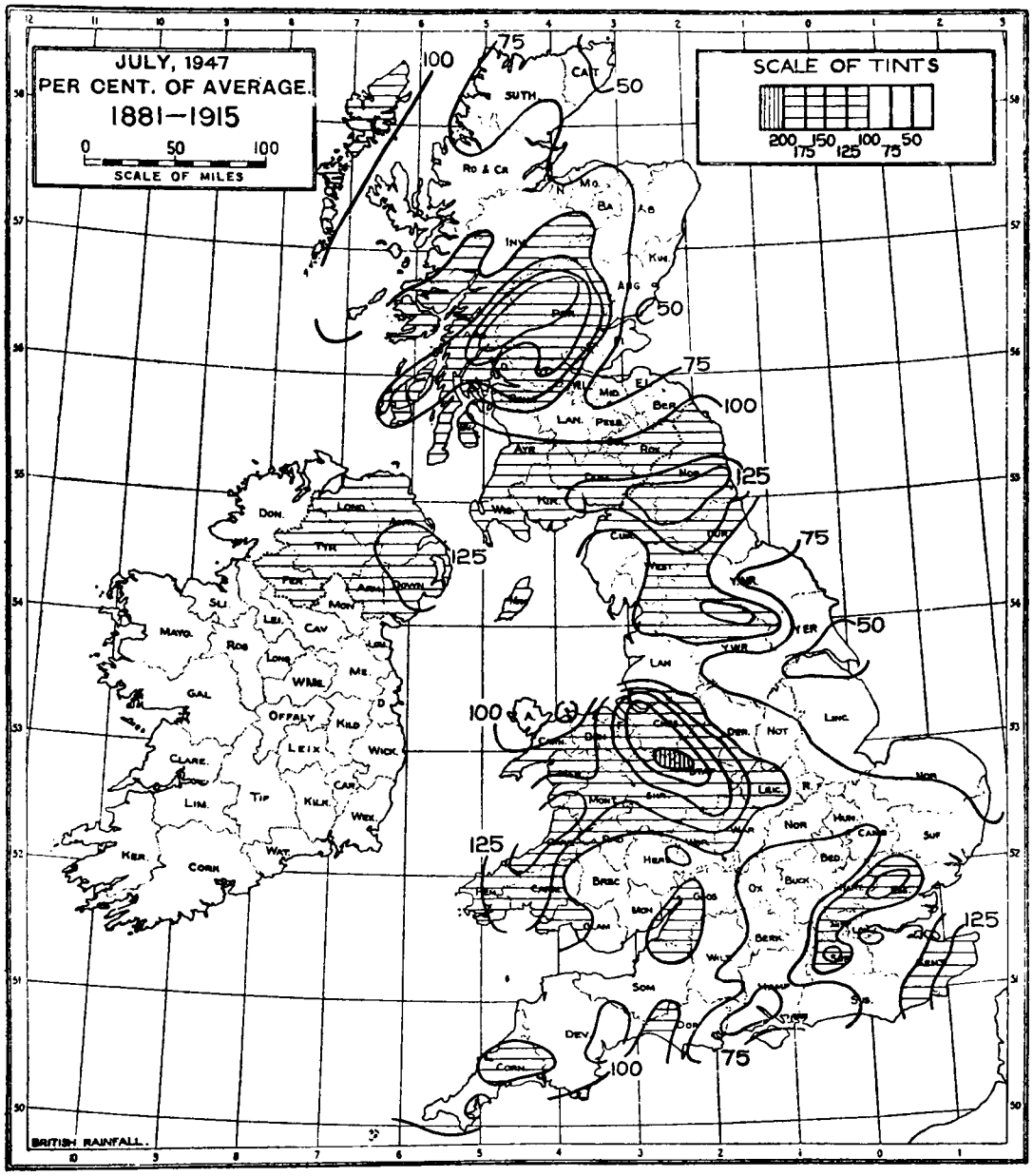
May. Mean pressure exceeded the average in the north but was somewhat below average in the south-west. Unusually warm weather prevailed, especially at the end of the month, shade temperatures of 85°F. or above being recorded at several places on each of the last three days. Over England and Wales as a whole it was probably the warmest May of the century. Thunderstorms occurred frequently and snow or sleet fell locally in the north from the 1st to 5th. It was dry in the north of Scotland and over the eastern half of England but on the whole wet elsewhere. Less than a quarter of the average rain fell in the Fens and the neighbouring part of Norfolk. Monthly totals ranged from only ·13 inch at Littleport in Cambridgeshire and Skegness in Lincolnshire to more than 6 inches at widely separated places in Scotland.



Rainfall, June 1947, as per cent. of average

June. Mean pressure was rather less than average, the deficiency, broadly speaking, increasing from east to west. The weather was mainly unsettled and rather warm. The hot spell of late May continued into June, the first three days being exceptionally hot. Shade temperatures of 94°F. were recorded on the 3rd at Waddington and in London. The month was sunnier than usual in east and south-east England but dull in the west and north of the British Isles.

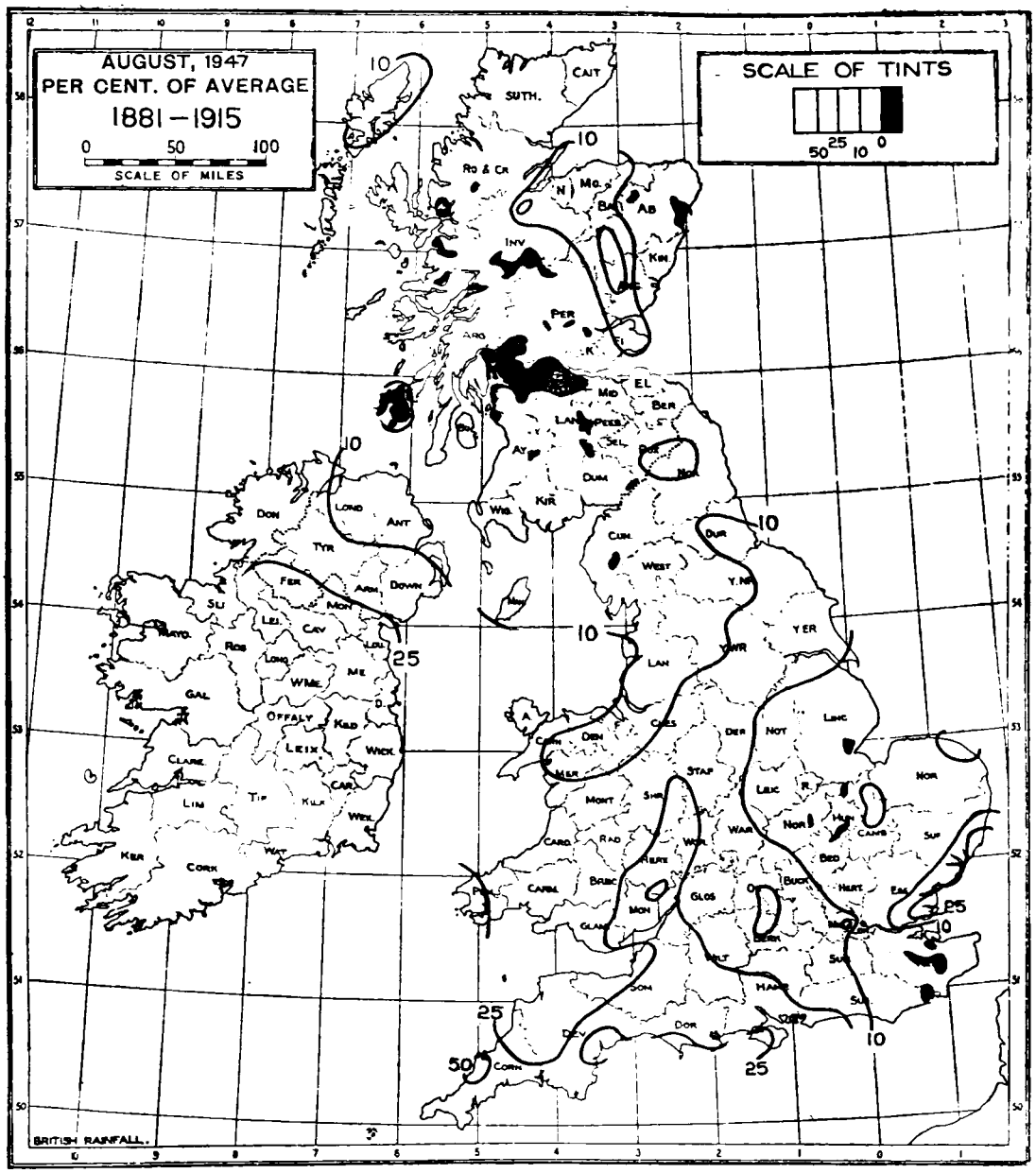
Rainfall was above average in most districts but less than the average occurred over an extensive area covering mid-Wales, much of the Midlands and part of southern England. Thunder rains, and especially those on the 27th (see Section 6), brought the month's totals to more than double the average in some widely separated places.



Rainfall, July 1947, as per cent. of average

July. Mean pressure was below average but only slightly so, the greatest deviation at 9h. being 2·2 mb. at Eskdalemuir. On the whole it was a rather warm month but there was a cool spell from the 5th to 11th. There were frequent and widespread thunderstorms, many of which were severe (see Sections 6 and 7). Sunshine was exceptionally abundant in east and north Scotland; in Shetland the mean daily duration was over 10 hours during each of the periods 6th–12th and 17th–24th.

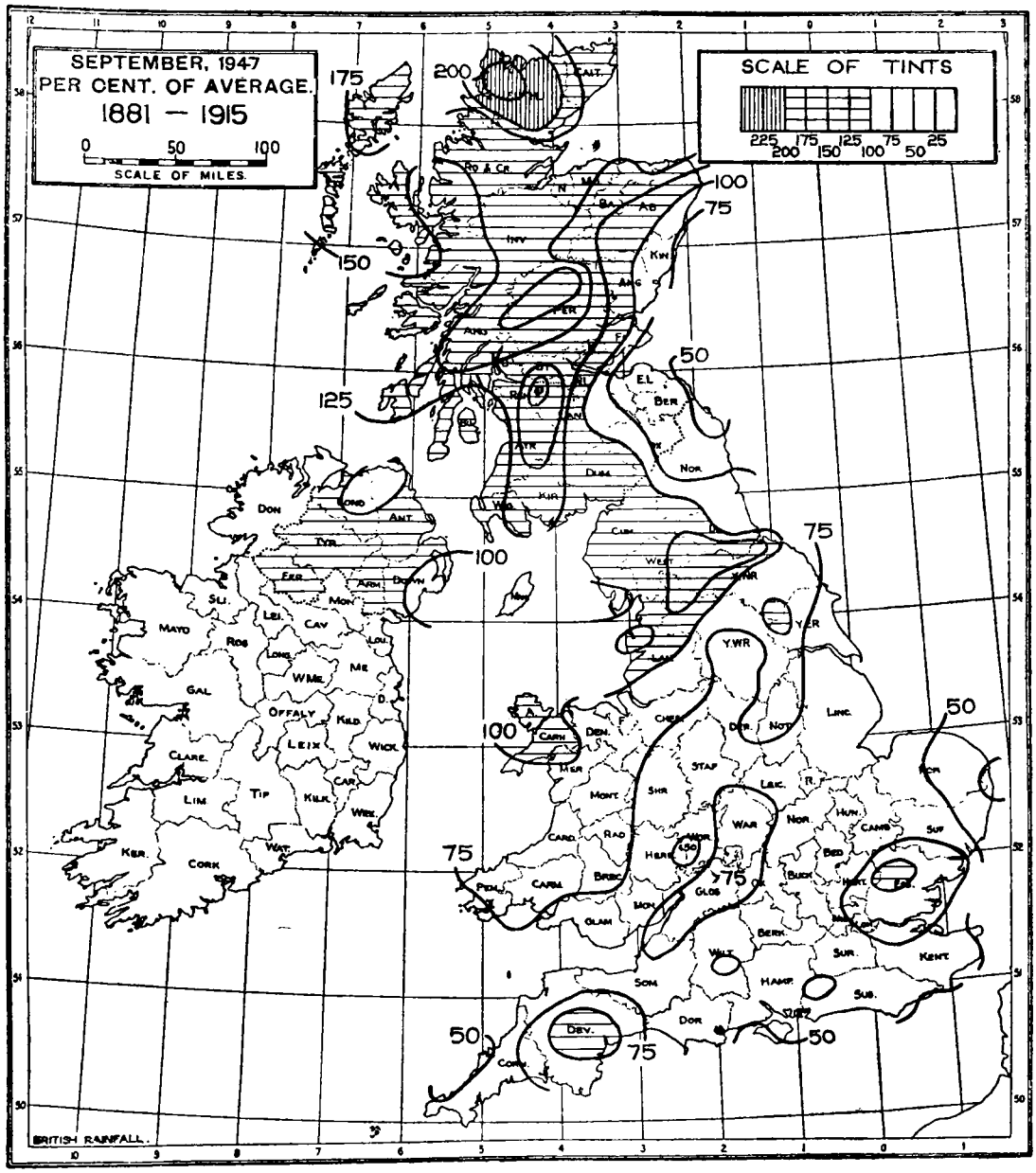
Generally speaking, rainfall totals did not vary much from normal but some small areas in the extreme east of Britain had barely half their average. Heavy falls on the 16th, 18th and 19th (see Section 7) raised the month's total to double the average in Shropshire.



Rainfall, August 1947, as per cent. of average

August. Pressure distribution was quite different from the average, the area of highest pressure being off east Scotland and the lowest off the south-west coasts. From the 7th onwards conditions were almost wholly anti-cyclonic. The weather was exceptionally hot and dry with abundant sunshine. Over the country as a whole it was probably the warmest August since before 1881.

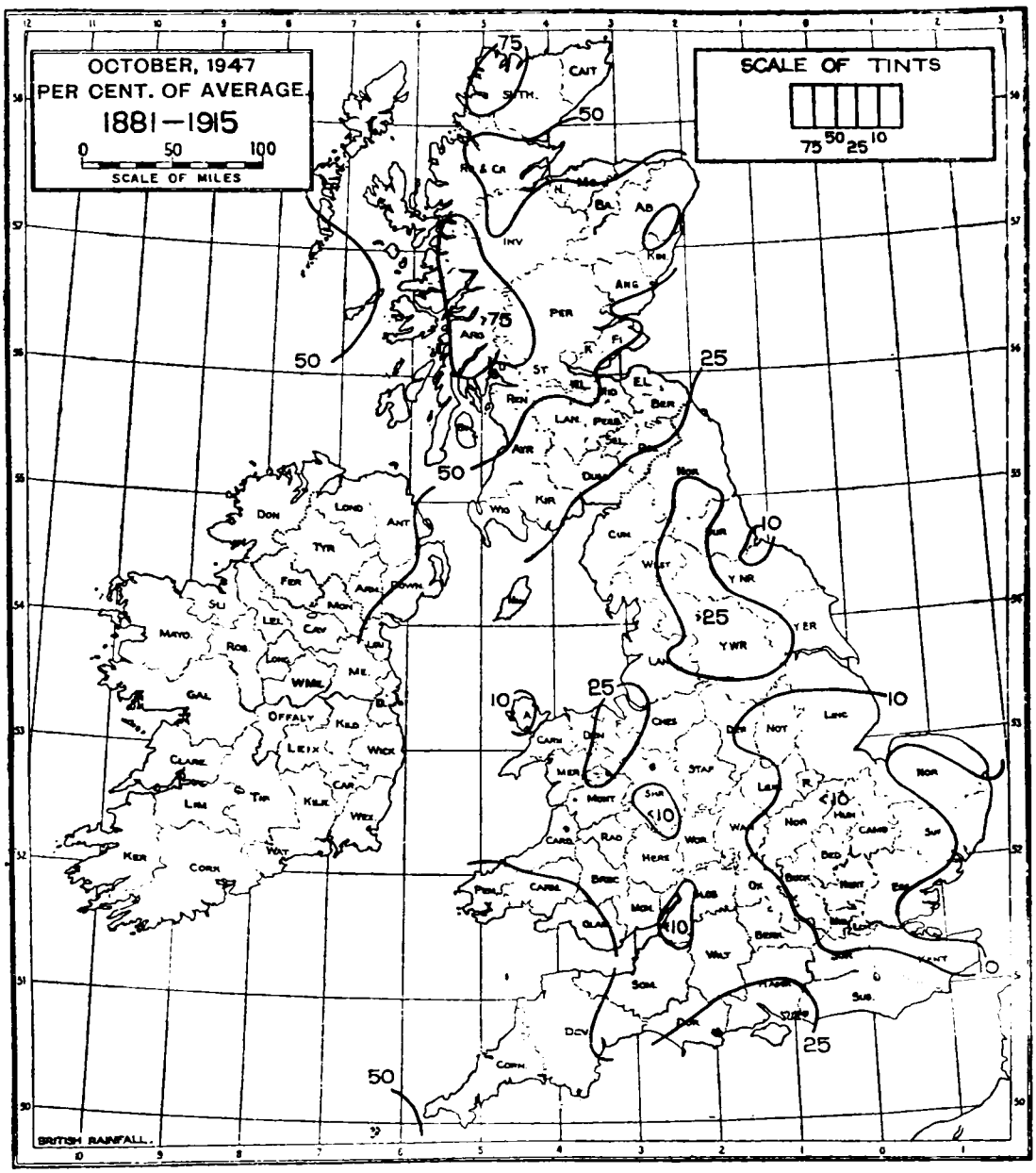
It was also the driest August on record. Most observers recorded less than 10 per cent. of average and in parts of Scotland and southern England there was no rain at all. More than 50 per cent. fell locally on the coast from Teignmouth to the Isle of Wight, and on the north coast of Cornwall. An extremely local storm at Sudbury, Middlesex, on the 23rd (see Section 6) accounted for more than the average rainfall in an area which is too small to be shown on the accompanying map.



Rainfall, September 1947, as per cent. of average

September. Mean pressure was slightly below average in the north of Scotland and somewhat above average elsewhere. Westerly winds predominated and gales were fairly frequent in the north. It was an unusually warm September. Broadly speaking, it was wet and rather dull in the north-west of the British Isles and somewhat sunnier than usual in the south-east.

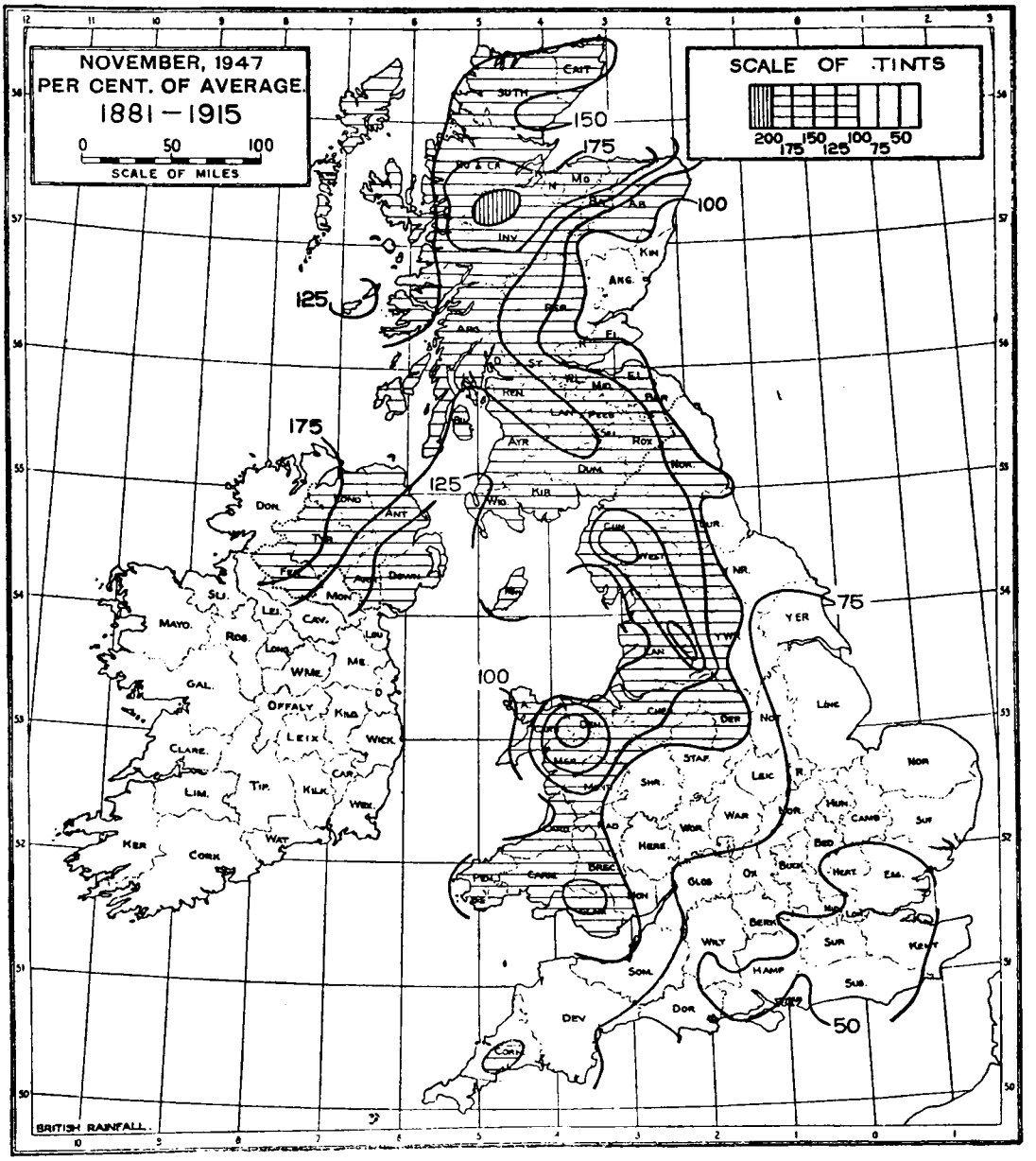
The long period of drought broke about the 6th in Scotland but was not terminated in parts of England until the 11th or even the 17th. In general the month's totals were less than average over the southern half of Britain but appreciably above average in the north. Lowestoft with ·41 inch had barely a quarter of its average rainfall but at Loch More in Sutherland there was 13·58 inches or nearly two and a half times the local average.



Rainfall, October 1947, as per cent. of average

October. Mean pressure substantially exceeded the average everywhere, the deviation at 9h. ranging from +11·0 mb. at Wick to +7·0 mb. at Portland Bill. Anticyclonic conditions prevailed for the most part, the region of highest pressure being eastward of England. It was mild on the whole—particularly in Scotland and Northern Ireland—and generally less windy than usual.

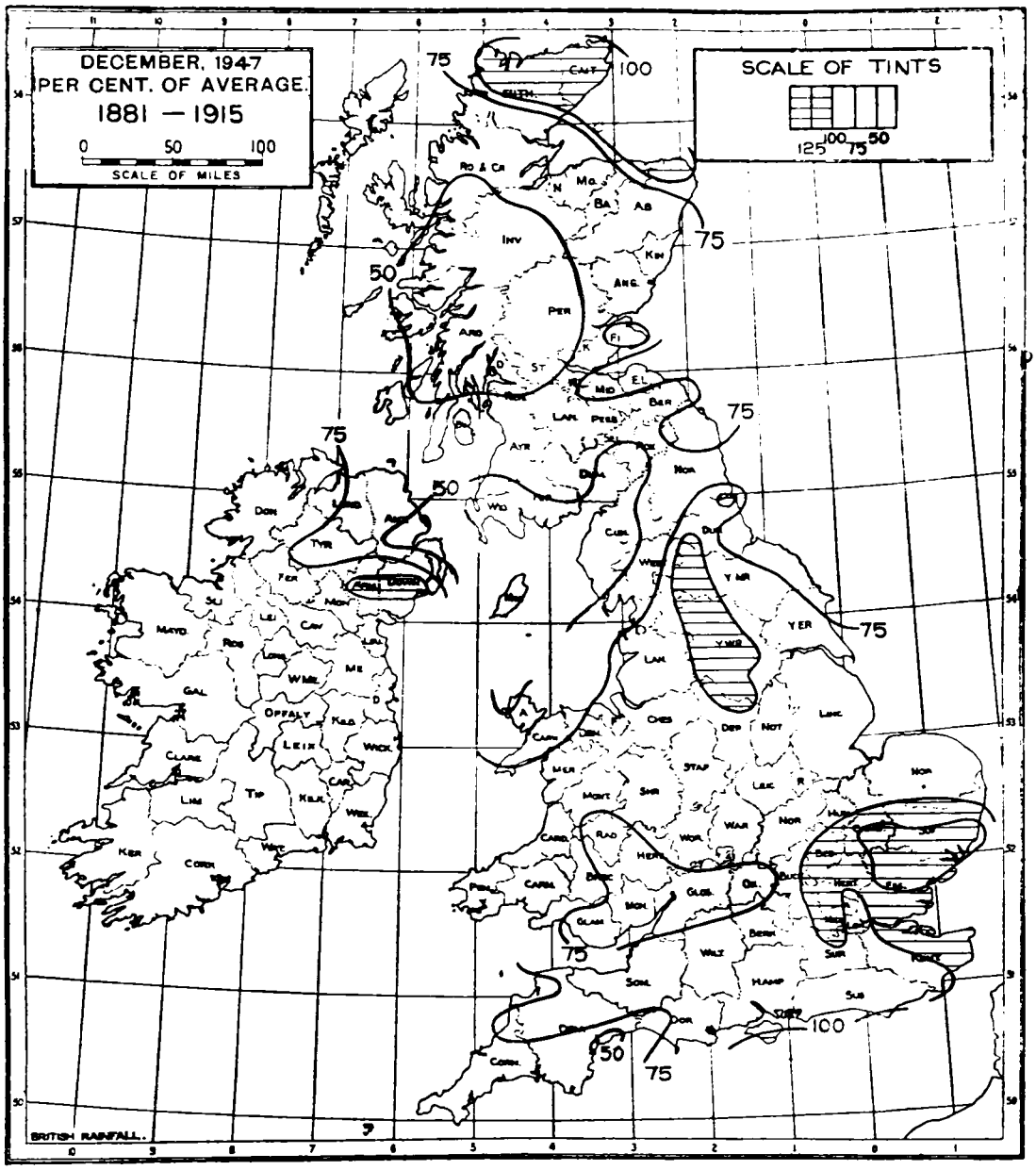
The month was exceptionally dry over England and Wales. Less than one-tenth of the average rainfall occurred in the east, and over the country as a whole it was the driest October on record. In Scotland, the month, though dry, was not nearly so dry as October 1946. Amounts reached half the average only in west and central Scotland and in Northern Ireland.



Rainfall, November 1947, as per cent. of average

November. Mean pressure was below average except locally in the south-west where there was a slight excess. Exceptionally large and rapid fluctuations of temperature were an outstanding feature. It was mild at first but an abrupt change to colder weather took place on the 13th. The 18th was notably cold in the north, day maxima being only 23, 26, and 27°F. at Dalwhinnie, Fort William and Renfrew respectively. Temperatures rose sharply on the 20th and very mild conditions persisted for 3 or 4 days. The last week was cold. Sunshine was abundant in most districts. Sheffield, Leuchars and Renfrew had their sunniest November on record.

Broadly speaking, rainfall was above average in the north and west and below average in the south and east. The 11th, 20th and 21st were notably wet days. Daily measurements exceeded 4 inches in places on each of these days (see Section 7).



Rainfall, December 1947, as per cent. of average

December. Mean pressure exceeded average, the deviation at 9h. ranging from +8·3 mb. at Stornoway and Tiree to +2·1 mb. at Lympne. It was mainly dull and rather mild but with cold spells at the beginning and end of the month. The minimum temperature at Edinburgh on the 2nd, 20°F., was the lowest recorded there in December since 1908. Only locally in the eastern half of England and the north Midlands were sunshine totals up to average.

It was dry on the whole but a little wetter than usual in the Thames estuary, on the Pennines and locally in County Armagh and County Down. Less than half the average rainfall was received in the Western Highlands of Scotland and in the neighbourhood of the Solway Firth. At Dalwhinnie it was the driest December since 1933.

Table 8c, Monthly Rainfall at 334 Stations in Great Britain and Northern Ireland in 1947

ENGLAND, WALES AND THE ISLANDS

County and River Division	Station	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
London 2	St. Pancras (Camden Square)	1·48	1·55	5·75	1·87	·97	2·74	1·78	·08	1·40	·07	1·01	2·27	20·97
Surrey 6	Godalming (Charterhouse)	2·10	1·55	4·84	2·21	1·67	2·14	1·06	·52	1·21	·51	1·13	3·07	22·01
„ 6	Byfleet (Wisley R.H.S. Gardens) ...	1·69	1·26	4·63	1·93	1·37	2·55	6·29	·37	·95	·17	·93	2·72	24·86
Kent 1	Folkestone (Cherry Garden).....	2·44	1·52	5·94	1·73	1·12	3·00	2·92	·03	1·37	·36	2·30	3·41	26·14
„ 2	Lympne Airfield	2·14	1·83	4·69	1·50	1·23	1·96	2·35	·10	·97	·66	1·73	3·00	22·16
„ 2	Canterbury (Sewage Works)	1·76	1·24	4·16	1·48	·88	2·75	1·98	·07	·98	·35	1·57	2·80	20·02
„ 4	Edenbridge (Falconhurst)	3·44	2·52	6·06	2·15	1·75	2·77	1·85	·12	1·68	·45	1·38	2·69	26·86
„ 4	Strood Waterworks	2·12	·97	4·16	1·38	1·78	2·73	4·30	·10	1·30	·40	·89	2·47	22·60
„ 5	Bromley	1·84	1·68	5·23	1·76	1·06	2·73	1·54	·12	1·20	·13	1·07	2·60	20·96
Sussex 1	Bognor Regis (Waterloo Square) ..	4·28	3·23	7·03	2·03	1·38	1·92	1·51	1·07	1·16	·67	1·38	2·51	28·17
„ 1	Compton (Compton House)	3·73	2·27	8·20	2·95	1·51	2·45	1·59	·54	2·15	1·13	1·95	3·43	31·90
„ 2	Horsham (Wimblehurst)	3·39	2·16	6·63	1·80	1·70	3·26	1·27	·79	1·38	·55	1·48	2·34	26·75
„ 3	Worthing (Beach House Park)	2·51	2·04	6·63	1·32	1·35	2·42	1·29	·70	1·54	·82	1·39	2·30	24·31
„ 5	Hailsham (Magham Down)	2·58	2·29	6·54	1·79	1·78	2·33	1·79	·09	1·46	·87	1·67	2·81	26·00
Hampshire 1	Ventnor (Royal National Hos.)	3·10	1·85	6·90	2·01	1·59	1·88	1·64	·77	1·42	1·56	2·34	3·43	28·49
„ 1	Totland Bay (Aston House)	3·22	1·16	6·33	2·03	1·64	1·63	1·07	1·17	1·06	1·39	1·48	3·29	25·47
„ 3	Fordingbridge (Oaklands)	3·32	1·15	7·68	2·88	1·80	1·75	1·41	·68	1·24	1·07	1·42	3·51	27·91
„ 4	Sway (Gordleton)	3·23	1·76	6·77	2·26	1·75	1·64	1·04	·91	1·09	1·31	1·48	3·20	26·44
„ 4	Stockbridge (Leckford Estate)	2·85	1·07	6·34	2·63	1·16	1·63	1·15	·76	1·14	·89	1·39	3·68	24·69
„ 5	Portsmouth (Victoria Park).....	3·26	2·09	5·83	1·65	1·26	1·59	1·37	1·05	1·20	1·46	1·41	3·10	25·27
„ 7	Selborne (The Wakes)	3·94	2·31	6·50	3·27	1·73	2·47	1·48	·58	1·61	1·28	2·05	3·72	30·94
„ 8	Sherborne St. John	2·48	1·46	6·49	2·33	1·50	1·79	1·30	·59	1·10	·73	1·65	3·07	24·49
Berkshire 4	Newbury (Greenham Common) ...	2·77	1·41	6·67	2·99	1·80	1·85	2·22	·51	1·24	·46	1·38	2·70	26·00
„ 5	Didcot (Sewage Works)	1·42	1·33	3·91	2·32	1·58	1·39	2·81	·61	1·24	·38	1·07	1·81	19·87
Hertford 2	Harpenden (Rothamsted)	1·47	1·69	5·05	2·07	1·16	2·40	1·53	·07	1·35	·04	1·04	2·91	20·78
„ 3	Royston (Therfield Rectory)	1·49	1·39	5·19	2·01	·90	2·22	1·84	·02	1·15	·17	1·17	2·84	20·39
Buckingham 2	Princes Risborough (Research Lab.)	2·01	1·32	4·67	2·18	1·57	1·05	1·15	·25	1·04	·34	1·22	3·02	19·82
„ ..3	Slough (Upton)	1·74	1·12	5·41	1·66	1·89	2·67	2·19	·30	1·15	·13	1·19	2·53	21·98
„ ..3	Penn (Rayners)	2·37	1·37	6·11	2·15	1·85	1·95	1·76	·25	1·40	·25	1·43	2·37	23·26
„ ..5	Oving House	1·49	1·54	5·88	1·81	2·04	1·22	1·74	·75	1·25	·30	1·24	2·29	21·55
Oxford 3	Oxford (Radcliffe Met. Stn.)	1·37	1·66	5·23	1·84	1·88	1·08	1·70	·59	1·15	·41	1·26	1·76	19·93
„ 3	West Adderbury (St. Amands)	1·85	1·45	5·47	2·33	1·46	1·09	2·05	·53	1·62	·44	1·62	2·13	22·04
Northampton. ...4	Daventry (Tunnel End)	1·67	1·64	5·17	1·74	1·13	1·04	1·35	·01	1·38	·21	1·52	2·41	19·27
„ 4	Wellingborough (Swanspool)	1·79	1·74	4·74	2·10	1·15	1·34	1·82	·00	1·30	·19	1·41	2·26	19·84
Huntingdon 1	St. Ives	1·67	1·70	4·99	1·56	1·05	2·92	1·49	·04	1·04	·35	1·35	2·25	20·41
„ .1	Whittlesea Mere	1·21	1·30	3·75	1·64	1·00	2·72	1·74	·02	·84	·20	1·11	1·66	17·19
Bedford.....3	Woburn (Experimental Farm)	1·61	1·61	4·72	1·70	1·01	1·46	1·15	·04	1·02	·23	1·32	2·60	18·47
„ 3	Sandy (Mogerhanger Park)	1·46	1·50	4·63	1·68	·78	1·42	1·59	·12	·94	·18	1·37	2·13	17·80
Cambridge 2	Cambridge (Botanic Gardens) . ..	1·55	1·52	4·13	1·58	·58	3·22	1·45	·17	·97	·21	1·24	2·69	19·31

Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Cambridge 2	Littleport (Highfield House)	1·16	1·32	3·46	1·29	·13	2·76	2·32	·80	·91	·19	1·12	2·07	17·53
,, ...2	March	1·61	1·38	4·80	1·57	·36	4·30	2·03	·55	1·14	·15	1·17	1·80	20·86
Essex 1	Hatfield Broad Oak (Barrington) ..	2·08	1·74	5·54	1·91	·77	2·41	3·15	·11	2·06	·18	1·14	2·99	24·08
,, ...2	North Weald (Canes)	1·99	1·57	5·66	1·86	·79	2·41	2·02	·07	1·51	·19	·94	2·53	21·54
,, ...3	Shoeburyness	2·30	·89	3·62	1·08	1·15	2·47	1·79	·53	1·41	·32	·87	2·04	18·47
,, ...3	Bradwell-on-Sea (Bellropes)	2·17	1·12	3·52	1·15	·57	2·38	1·72	·41	1·49	·22	·78	2·14	17·67
,, ...4	Maldon	2·12	1·59	3·69	·89	·62	2·00	1·77	·06	1·41	·30	·65	2·23	17·33
,, ...5	Earls Colne (Grammar School)	2·50	2·18	4·85	1·94	·55	3·40	3·17	1·14	1·93	·18	·99	2·93	25·76
Suffolk 2	Ipswich (Belstead Hall)	1·79	1·49	3·97	1·41	·40	2·06	1·19	·16	1·11	·24	1·22	3·28	18·32
,, ...3	Campsea Ashe (High House)	1·90	1·69	3·51	1·26	·38	1·49	1·77	·69	·86	·29	1·48	3·37	18·69
,, ... 4	Lowestoft (Secondary School) .. .	1·95	2·30	4·00	1·38	·57	·97	1·50	·15	·41	·34	1·41	2·18	17·16
,, ...5	Bury St. Edmunds (Westley Hall) ..	1·69	1·44	4·05	2·00	·54	3·26	2·32	·12	1·12	·25	1·46	2·88	21·13
Norfolk..... 1	Wymondham	2·17	2·13	4·82	1·72	·37	1·12	2·43	·29	·81	·34	1·23	2·10	19·53
,, ...1	Norwich (Southwell Lodge)	1·92	2·62	4·57	2·03	·44	1·64	1·63	·04	·81	·47	1·38	2·24	19·79
,, ...1	Cawston (New Street)	1·57	1·95	4·55	2·10	·71	1·15	1·44	·38	·76	·28	1·79	2·26	18·94
,, ...3	Sandringham House Gardens	1·95	1·43	4·71	2·06	·31	2·02	1·61	·03	1·08	·32	1·45	2·40	19·37
,, ...3	Cromer (Howard's Hill)	1·52	3·45	3·62	1·53	·91	·91	1·26	·34	·90	·23	1·36	1·80	17·83
,, ...3	Hunstanton	1·84	2·18	5·47	1·95	·17	2·17	1·89	·08	1·25	·41	1·13	1·68	20·22
,, ...4	Thetford Waterworks	1·84	1·21	4·10	1·45	·76	2·93	·95	·10	·90	·32	1·25	2·43	18·24
Wiltshire 3	Fonthill House Gardens	3·43	1·64	8·16	3·04	2·42	1·91	2·27	·84	1·60	·81	2·33	4·78	33·23
,, ...3	Larkhill (School of Artillery)	2·40	1·19	5·88	2·15	1·39	1·41	1·35	·66	1·44	·58	1·02	2·66	22·13
,, ...3	Bishops Cannings	1·94	1·24	5·29	2·32	2·05	1·89	1·98	·52	1·36	·52	1·80	2·47	23·38
Dorsetshire.....3	Creech Grange	3·77	2·37	8·43	2·45	2·35	2·13	1·37	1·23	1·79	1·91	2·74	3·71	34·25
,, ...3	Beaminster (East Street)	4·07	1·73	8·75	3·07	2·64	2·45	3·11	1·02	1·67	1·02	2·35	3·28	35·16
,, .. .4	Blandford (Bryanston Gardens) ..	3·96	1·97	8·59	3·22	2·85	1·75	1·75	·48	1·69	1·21	1·76	3·40	32·63
Sth. Devonshire...2	Plymouth (Hoe)	4·26	2·36	8·34	2·52	2·55	4·19	2·40	·99	2·40	1·50	2·82	3·25	37·58
,, ...2	Mary-Tavy (Blackdown)	7·08	1·65	10·78	4·81	3·77	4·70	3·91	1·32	3·47	2·42	4·91	5·02	53·84
,, ...4	Ashburton (West Street)	6·24	3·29	13·52	6·32	3·26	3·85	2·45	1·57	2·48	1·36	3·71	3·85	51·90
,, ..5	Teignmouth (Den Gardens)	4·17	2·18	8·69	2·80	2·64	2·68	1·69	1·20	2·16	·97	2·12	2·04	33·34
,, ...6	Crediton (Okefield)	3·76	1·95	5·77	1·80	3·19	2·83	1·47	1·28	2·08	·94	2·84	3·39	31·30
,, ...6	Cullompton	5·05	1·44	6·51	1·95	3·19	2·65	1·65	·81	2·19	·70	2·82	3·99	32·95
,, ...7	Sidmouth (U.D.C.)	2·79	1·82	7·78	2·16	3·97	2·49	1·71	1·53	1·36	·88	1·74	2·93	31·16
Nth. Devonshire ..2	Barnstaple (N. Devon Athenaeum)	3·24	·49	5·78	2·87	1·73	2·45	2·49	·32	1·45	1·58	3·27	3·26	28·93
,, .3	Okehampton (Uplands)	5·96	1·62	9·43	5·52	3·62	3·63	3·13	·95	3·33	2·42	4·16	6·14	49·91
,, ..3	Torrington (Hillside)	4·71	·85	6·78	3·04	2·73	3·71	2·30	·61	2·13	1·55	4·00	3·00	35·41
Cornwall 1	Newquay (Mount Wise)	3·40	1·59	6·29	1·69	3·73	2·86	2·40	1·36	1·14	1·67	3·51	2·70	32·34
,, ...1	Bodmin (Castle Hill House)	6·37	2·38	10·59	4·23	4·73	4·59	3·35	·98	2·50	2·75	4·55	4·52	51·54
,, ...1	Bude (School House)	2·92	1·09	6·12	1·90	3·45	3·14	2·33	·32	1·71	1·40	2·70	3·80	30·88
,, ...2	Penzance (Morrab Gardens)	5·24	2·37	9·43	2·87	2·71	3·44	2·09	·84	1·47	1·81	3·55	3·46	39·28

Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Cornwall ..2	Falmouth (Observatory)	4·52	3·05	10·20	2·83	3·09	3·65	1·82	1·28	1·56	2·48	4·40	3·73	42·61
,,2	St. Austell (Trevarna)	4·69	2·17	11·65	3·09	4·27	5·13	3·34	1·77	2·00	2·18	4·99	4·40	49·68
,,4	Tresco Abbey	4·57	5·28	7·71	2·29	3·38	4·14	2·59	1·23	1·51	2·59	2·96	3·20	41·45
Somerset ..1	Chewton Mendip (The Priory)	3·56	1·71	7·61	3·09	2·95	2·82	3·55	1·24	2·26	·76	3·30	4·67	37·52
,,1	Bath (Henrietta Park)	2·26	1·64	4·95	2·28	3·44	1·70	3·19	·86	1·46	·29	2·13	2·78	26·98
,,2	Street (Millfield)	3·18	1·50	5·07	2·24	2·54	1·89	2·32	1·21	1·36	·83	1·51	2·85	26·50
,,2	Burnham (Dunstan House)	2·38	1·61	4·93	1·83	3·07	2·00	1·84	·94	1·31	·60	2·22	2·72	25·45
,,3	Trull (Wayside)	4·00	1·70	6·25	2·83	3·02	1·61	1·40	1·09	1·45	·54	2·41	2·82	29·12
,,5	Brushford Rectory	5·11	1·44	6·33	3·59	3·64	3·19	2·39	·93	2·41	·92	4·59	5·19	39·73
Gloucester ..3	Cheltenham (Montpellier Gardens)	1·78	·89	4·87	2·55	1·53	1·49	2·78	·24	1·81	·27	1·54	1·72	21·47
,,4	Blockley	2·17	1·70	6·33	2·56	1·48	1·46	3·08	·41	2 16	·48	1·85	1·98	25·66
,,7	Lechlade (Claydon House)	1·46	1·45	6·90	2·01	1·56	1·35	2·68	·41	1·37	·40	1·42	1·90	22·91
,,7	Cirencester (Somerford Road)	2·26	1·21	7·19	2·62	1·55	1·97	2·56	·42	1·77	·43	1·83	2·03	25·84
Hereford..1	Ross-on-Wye	1·97	1·81	6·96	3·08	3·52	1·61	2·22	1·33	1·21	·41	1·96	1·89	27·97
,,1	Vowchurch (Ladywell House)	3·51	2·51	8·74	3·59	2·87	2·25	2·47	·80	1·41	·77	3·16	2·41	34·49
,,1	Hereford (Belmont Abbey)	2·05	1·50	6·32	2·08	2·05	1·48	2·00	1·01	1·09	·44	2·13	1·66	23·81
,,1	Presteigne (Middlemoor)	3·26	2·52	7·86	3·01	2·97	1·86	1·70	·50	1·65	·75	2·80	2·99	31·87
Shropshire ..1	Bromfield (Oakly Park)	3·04	1·37	6·36	2·67	2·85	1·56	2·92	·85	1·52	·42	1·97	2·53	28·06
,,3	Church Stretton (Sewage Works)	2·62	1·83	6·87	2·86	2·94	1·53	3·58	·67	1·53	·33	2·41	3·02	30·19
,,4	Shifnal (Hatton Grange)	1·79	1·78	5·02	1·72	2·78	·79	4·52	·79	·94	·52	1·95	2·18	24·78
,,4	Cheswardine Hall	1·85	1·19	5·05	2·24	2·85	1·23	5·64	·74	1·42	·62	2·20	2·74	27·77
,,4	Oswestry (Mount Reservoir)	2·36	3·27	8·00	3·43	2·74	1·57	3·84	·54	1·83	·58	2·75	2·27	33·18
Stafford..3	Lichfield (Hanch Reservoir)	2·20	1·86	5·16	2·02	2·68	1·72	5·23	·72	1·75	·59	2·36	2·19	28·48
,,3	Stafford (Victoria Pleasure Grounds)	2·14	1·67	5·06	2·03	3·21	1·36	3·76	·76	1·28	·36	2·25	2·20	26·08
,,5	Leek (Wall Grange P.S.)	2·02	·71	5·12	2·74	2·89	1·26	3·36	·65	1·53	·45	3·73	2·95	27·41
Worcester ..1	Malvern (Free Library)	2·15	1·54	6·40	2·57	1·96	1·87	1·40	1·18	1·36	·44	2·14	2·26	25·27
,,2	Stourport (Lincombe Lock)	1·94	1·40	5·57	2·24	1·94	1·17	1·83	1·41	1·03	·18	1·57	2·23	22·51
Warwick ..1	Alcester (Ragley Hall)	2·04	1·11	5·33	2·02	1·85	1·53	2·48	·57	1·48	·43	2·05	2·14	23·03
,,1	Warwick (Mill Street)	1·42	1·28	5·62	1·71	1·57	1·12	3·30	·17	1·80	·19	1·62	2·09	21·89
,,1	Coventry (City Hospital)	1·80	1·22	5·24	2·04	1·80	1·46	1·91	·27	1·44	·18	1·98	2·01	21·35
,,4	Birmingham (Edgbaston)	2·11	2·01	6·79	2·64	2·44	1·57	3·95	·63	1·59	·40	1·87	2·28	28·28
Leicester ..2	East Norton	1·88	1·91	6·14	2·39	1·13	1·62	2·06	·09	·94	·16	1·28	2·35	21·95
,,4	Thornton Reservoir	1·77	1·74	4·71	2·22	1·26	1·30	2·69	·21	1·00	·34	2·02	2·31	21·57
,,4	Loughborough (Nanpantan Res.)	1·84	1·28	5·26	2·44	1·59	1·69	2·87	·22	1·13	·28	1·78	2·35	22·73
Lincoln ..2	Spalding (Pode Hole)	1·86	1·83	4·23	1·92	·47	2·30	2·08	·05	1·18	·21	·88	1·87	18·88
,,3	Boston (Black Sluice, Skirbeck)	1·89	1·55	4·29	1·82	·43	3·12	1·49	·00	1·29	·21	1·09	2·02	19·20
,,3	Cranwell (Airfield)	1·37	1·61	3·99	1·77	·55	2·33	2·25	·13	1·04	·27	·98	1·80	18·09
,,3	Horncastle	2·39	2·39	4·43	1·86	·60	2·30	3·24	·03	1·23	·21	1·31	2·62	22·61
,,3	Lincoln (Skellingthorpe Hall)	1·75	1·77	4·10	1·57	·68	2·32	1·45	·21	·89	·29	1·12	1·76	17·91

Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Lincoln 4	Skegness (Marine Gardens).....	1·56	·89	4·49	1·78	·13	2·30	1·47	·06	1·02	·19	1·30	2·17	17·36
„ 5	Brigg (Wrawby Road)	2·16	1·80	4·30	1·54	1·13	2·14	1·80	·39	·66	·60	1·44	2·00	19·96
Nottingham 5	Nottingham (The Castle)	1·89	1·75	4·86	1·93	1·41	1·47	1·65	·23	1·15	·25	1·45	1·87	19·91
„ 5	Mansfield (Carr Bank)	2·49	2·46	4·94	2·30	2·04	1·77	2·12	·16	1·47	·18	1·85	2·25	24·03
„ 5	Gringley Carr P.S.	2·02	1·53	3·92	2·06	1·00	2·28	1·49	·29	1·07	·60	1·05	1·93	19·24
Derby 6	Buxton (Terrace Slopes)	4·24	2·03	5·88	4·38	2·98	2·75	3·32	·61	2·38	1·00	5·44	5·59	40·60
Cheshire 2	Middlewich (Bostock Hall)	1·84	1·36	5·80	2·47	2·60	1·78	1·84	·39	1·66	·62	3·52	2·28	26·16
„ 3	Birkenhead (Bidston Obsy.)	1·93	·81	4·33	2·42	3·92	2·29	4·52	·29	2·23	1·09	3·25	1·98	29·06
Sth. Lancashire ..3	Manchester (Whitworth Park)	2·31	·41	4·99	2·37	2·15	1·89	2·85	·37	2·11	·53	3·76	2·75	26·49
„ ..3	Bolton (Queens Park)	3·66	1·04	6·34	3·61	3·10	2·70	3·05	·33	3·37	·96	5·72	4·16	38·04
„ ..3	Rochdale (Lord Street)	3·49	1·25	6·30	3·97	2·33	3·17	3·92	·34	3·56	·88	6·85	3·86	39·92
Central Lancashire 1	Stoneyhurst (College)	3·65	1·09	6·31	3·41	2·49	2·53	3·56	·21	4·73	·85	7·67	4·45	40·95
„ „ 3	Southport (Bedford Road Park)....	2·53	·96	5·10	3·03	4·35	2·62	2·44	·26	3·16	·51	3·44	2·56	30·96
Nth. Lancashire ..1	Ulverston (Poaka Beck)	4·35	1·06	7·36	4·58	5·27	3·55	4·21	·22	4·21	1·02	5·82	2·85	44·50
„ ..3	Morecambe	3·42	·78	5·48	3·82	3·59	2·95	3·51	·58	3·54	·27	5·32	2·10	35·36
„ ..5	Blackpool (Stanley Park)	3·26	·76	5·13	3·39	4·40	2·85	2·47	·53	4·03	·49	3·80	2·78	33·89
Yorkshire W.R....1	Sedbergh (Brigflatts)	6·13	1·02	5·52	6·91	3·35	4·30	6·07	·16	5·61	·64	11·69	3·86	55·26
„ ...7	Sheffield W.W. (Redmires Res.) ...	4·11	3·79	6·23	4·34	3·08	3·14	2·81	·52	2·13	·93	5·42	5·99	42·49
„ ...8	Huddersfield (Oakes)	3·79	3·92	8·85	4·04	4·80	3·06	2·14	·30	1·75	1·22	5·70	4·04	43·61
„ ...8	Wakefield (Clarence Park).....	2·67	4·15	5·15	1·98	3·19	2·93	1·80	·33	1·04	·77	2·00	2·54	28·55
„ ...9	Bradford (Lister Park)	2·63	4·60	5·86	3·48	4·28	2·69	1·69	·25	1·62	·90	3·71	3·19	34·90
„ ..10	Ilkley (Spences Gardens)	3·61	3·68	6·46	3·23	3·39	3·13	1·98	·39	2·24	1·28	4·29	3·63	37·31
„ ..10	Oughtershaw Hall	7·21	4·70	8·00	5·41	2·63	4·99	4·40	·18	4·03	1·89	13·16	6·03	62·63
„ ..11	Harrogate (Harlow Moor Obsy.) ..	2·77	3·19	6·48	3·40	4·04	3·79	3·52	·88	1·96	1·10	2·95	2·47	36·55
„ ..11	Ramsgill	4·33	3·57	8·13	7·47	2·20	3·98	2·53	·30	3·11	1·20	6·98	4·26	48·06
Yorkshire E.R. ...2	Birdsall Gardens	3·65	3·59	4·79	2·45	·96	2·68	2·15	·47	1·45	·85	1·74	2·03	26·81
„ ...3	Spurn Head (R.N. Signal Stn.).....	1·53	2·00	3·72	1·26	·37	1·87	·77	·14	·80	·48	1·24	2·23	16·41
„ ...3	Hull (Pearson Park)	2·06	3·07	4·28	1·46	·55	1·97	·88	·69	·94	·59	1·43	2·12	20·04
„ ...3	Holme-on-Spalding Moor	2·63	1·23	3·81	1·25	·75	2·38	1·83	·31	·83	·72	1·48	1·68	18·90
„ ...3	Lowthorpe (The Elms)	2·55	3·11	4·17	1·81	·60	2·67	1·13	·40	1·61	·86	1·77	1·83	22·51
Yorkshire N.R. ...1	Leyburn (Spennithorne Hall)	3·00	3·55	4·96	5·52	2·08	2·92	1·69	·19	2·29	·98	2·34	2·25	31·77
„ ...2	Felixkirk (Mount St. John)	2·67	2·81	4·37	2·92	2·22	2·16	1·61	·23	1·56	·64	2·02	2·17	25·38
„ ...3	York (Museum)	2·47	1·91	4·43	1·73	1·55	3·32	2·59	·27	1·96	·83	1·40	1·79	24·25
„ ...5	Scarborough	1·99	2·05	3·15	1·97	·89	2·22	1·53	·61	1·34	·58	2·11	1·34	19·78
„ ..6	Kildale Hall	3·07	5·50	4·22	4·66	2·75	2·77	3·52	·21	2·12	·61	2·67	3·05	35·15
„ ...6	Middlesbrough (Albert Park)	·99	2·37	2·73	2·85	1·48	2·37	2·13	·46	2·29	·28	1·72	1·41	21·08
„ ...6	Baldersdale (Hury Res.).....	3·46	3·85	5·97	6·48	1·83	3·96	3·64	·19	3·40	1·04	5·27	3·72	42·81
Durham 1	Darlington (South Park)	2·03	2·27	3·82	2·54	2·11	2·16	2·15	·27	1·86	·69	1·52	1·34	22·76
„ 1	Barnard Castle (Bowes Museum) ..	2·35	3·50	6·10	6·07	2·31	2·42	2·72	·31	2·07	·89	2·51	2·73	33·98

Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Durham 2	Burnhope (Lodgegill Mine)	6·00	5·50	8·00	10·30	2·20	5·40	3·00	·00	5·10	1·80	7·60	4·90	59·80
,, ...2	Durham (Houghall Hort. Stn.).....	2·03	3·81	3·91	3·93	2·09	2·09	2·17	·34	1·50	·62	2·39	1·61	26·49
,, ...2	Weardale W.W. (Waskerley).....	2·49	4·38	8·28	5·58	2·25	4·05	2·90	·20	1·92	1·34	3·05	3·00	39·44
Northumberland .3	Newcastle (Leazes Park)	1·48	2·64	3·49	3·16	1·80	2·61	2·86	·04	1·68	·77	2·51	2·44	25·48
,, 4	Bellingham (High Green)	4·17	1·36	4·26	5·44	3·17	3·76	4·11	·36	1·68	·93	4·27	1·89	35·40
,, 5	Morpeth (Cockle Park)	1·92	3·16	4·88	3·55	2·31	1·69	4·50	·15	1·43	·55	2·21	2·00	28·35
,, 5	Howick Hall Gardens	2·74	2·80	4·71	3·82	1·94	1·80	4·45	·11	1·58	·80	2·84	1·76	29·35
,, 6	Ilderton (Lilburn Tower Gardens) .	2·79	3·83	6·85	4·53	2·45	2·15	2·65	·25	1·14	·70	3·01	2·23	32·58
Cumberland 1	Penrith (Newton Rigg).....	4·52	·90	5·59	6·13	3·17	2·69	3·00	·08	3·02	1·09	4·26	1·80	36·25
,, ...1	Silloth	4·00	·45	3·65	4·29	3·19	3·06	3·03	·46	2·68	·76	5·70	1·79	33·06
,, ... 1	Geltsdale	2·34	1·50	4·41	4·26	2·27	3·62	5·30	·11	3·23	·59	4·72	2·39	34·74
,, ...2	Borrowdale (Stockley Bridge)	15·00	2·50	9·00	16·50	5·00	6·50	8·00	·00	13·25	2·75	28·50	11·00	118·00
,, ...2	Keswick (High Hill)	7·05	1·26	5·48	11·86	3·34	3·15	3·54	·02	5·24	·90	10·11	3·13	55·08
,, ...3	Ravenglass (The Grove)	4·41	·87	5·99	4·39	4·97	2·41	3·46	·22	3·51	·65	5·07	1·96	37·91
,, ...3	Ennerdale (Gillerthwaite)	8·00	1·60	11·00	11·10	4·10	5·50	5·50	·40	9·10	1·90	15·70	5·10	79·00
Westmorland 3	Kendal (Gas Works)	5·01	·39	5·96	5·13	3·19	3·36	4·37	·19	4·41	·67	8·12	3·15	43·95
Monmouth 3	Newport W.W. (Nantypridd)	3·89	1·11	8·66	4·30	2·86	2·83	2·68	1·43	1·45	·72	4·53	2·88	37·34
,, ...3	Abergavenny (Larchfield)	4·09	2·46	9·60	4·83	3·22	1·89	1·96	·87	1·39	·61	3·45	2·72	37·09
Glamorgan 3	Swansea (Victoria Park)	3·48	·90	8·44	2·81	2·76	1·72	3·60	·39	2·09	1·28	4·43	4·62	36·52
,, ...3	Ystalyfera (Wern House)	5·46	1·56	12·99	6·30	4·17	3·44	4·85	·63	2·77	1·83	8·44	6·23	58·67
,, ...6	Treherbert (Tyn-y-waun)	9·16	2·08	16·47	8·71	3·47	4·11	5·97	·94	4·85	2·55	11·93	9·64	79·88
,, ...7	Cardiff (Penylan).....	3·32	1·75	7·57	3·13	2·48	2·62	2·77	1·11	2·27	1·15	4·70	3·68	36·55
Carmarthen 2	Llanddeusant (Pontcrynfe)	6·27	1·87	12·20	5·73	3·93	2·46	3·07	·44	2·94	1·54	5·93	5·35	51·73
,, ...2	Abergorlech	5·69	4·58	13·54	6·33	4·50	2·63	3·85	·71	3·25	1·92	6·19	4·62	57·81
Pembroke 4	St. Ann's Head (C. Guard Stn.) ...	5·96	3·49	8·94	3·38	3·36	2·86	3·10	1·02	1·98	1·77	4·77	4·20	44·83
,, ...4	Haverfordwest (Hospital Grounds)	6·00	3·18	8·04	3·23	3·49	3·70	3·45	·97	2·94	1·55	4·70	3·85	45·10
Cardigan.....2	Aberystwyth (Corporation Yard) ..	2·87	·15	5·53	1·76	2·97	1·97	5·21	·47	2·29	·51	3·67	3·65	31·05
,, ...2	Aberystwyth (P.B.S.)	2·90	·49	5·85	2·62	3·53	2·42	3·80	·49	2·97	·95	4·59	4·23	34·84
,, ...2	Plynlimon (Llygad Rheidol)	5·50	2·30	12·20	5·00	3·30	4·10	6·20	·70	6·10	2·90	9·80	12·80	70·90
,, ...3	Cardigan (Plas Llangoedmore)	5·80	2·25	7·51	3·89	3·85	2·57	2·41	·87	2·22	1·51	4·19	3·75	40·82
Brecon 7	Swansea W.W. (Cray Res.).....	8·07	2·39	13·67	5·85	4·61	3·43	4·48	·76	3·59	2·03	7·10	4·93	60·91
Radnor 1	Birmingham W.W. (Tyrmynydd) ..	6·16	2·78	13·39	4·86	3·93	2·84	3·42	·57	3·12	1·26	6·84	6·16	55·33
Montgomery 1	Machynlleth (Plas Llwyn Gwern) ..	5·16	2·41	11·25	5·14	3·85	3·59	6·01	1·18	4·52	1·16	11·10	9·49	64·86
,, ...5	Welshpool (County School)	2·09	1·27	5·88	2·05	2·86	1·58	2·83	·37	2·01	·39	2·77	2·54	26·64
,, ...5	Lake Vyrnwy (Fawnog)	6·68	2·50	11·30	7·00	3·70	4·11	4·56	·66	2·97	1·67	9·18	6·28	60·61
Flint 1	Hawarden.....	1·80	1·44	4·50	2·43	3·25	2·07	2·71	·29	1·85	·67	3·19	2·04	26·24
Denbigh 1	Wrexham W.W. (Pack Saddle Res.)	3·08	3·25	8·13	3·90	3·30	2·42	3·85	·42	1·80	·61	3·91	2·37	37·04
,, ...2	Llangynhafel (Plâs Draw)	1·93	2·50	5·22	4·21	3·39	2·86	3·65	·46	2·14	·73	3·72	3·39	34·20
Merioneth 1	Bala (Tegid Street)	6·59	1·67	7·90	4·99	3·64	3·25	3·24	·76	2·32	·97	7·93	5·43	48·69

Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Merioneth 1	Llanderfel (Palé Gardens)	6·04	1·27	8·66	5·74	4·23	3·11	3·64	·58	2·15	·96	7·02	4·59	47·99
„ 3	Blaenau Festiniog (Oakeley Quarries)	10·16	1·80	14·15	7·81	3·78	5·32	8·86	·37	8·19	1·84	20·09	9·51	91·88
„ 4	Dolgelly (Borthwnog).....	6·61	1·51	8·36	4·57	4·73	2·94	5·22	·85	3·05	·49	4·91	5·67	48·91
Carnarvon 2	Llandudno (Cricket Ground)	5·42	·92	5·38	2·94	3·47	2·70	1·54	·38	1·87	·55	4·13	1·63	30·93
„ 4	Pwllheli (West End).....	4·98	1·34	6·78	3·44	3·26	2·57	2·60	·96	3·17	·39	4·03	3·99	37·51
„ 5	Snowdon (Cwm Dyli)	15·96	1·68	14·82	13·56	4·76	6·33	8·94	·96	11·09	2·52	21·25	10·23	112·10
Anglesey	Holyhead (Salt Island)	4·96	1·15	5·83	3·54	3·17	2·84	2·38	·43	3·31	·39	3·66	2·01	33·67
„	Llanerchymedd (Llwydiarth Esgob)	5·56	1·12	6·03	4·28	3·98	3·21	2·37	·58	3·56	·40	4·51	2·91	38·51
Isle of Man	Douglas (Borough Cemetery)	4·91	1·05	7·84	4·47	4·02	4·99	3·39	·31	2·77	·78	7·06	2·35	43·94
„	Point of Ayre.....	4·00	1·19	6·38	3·82	5·34	3·75	2·87	·15	2·50	·77	5·31	1·74	37·82
	SCOTLAND													
Wigtown 1	Castle Kennedy (Lochinch)	5·02	·89	6·61	4·22	4·37	4·26	3·18	·30	3·71	1·44	6·67	2·67	43·34
„ 3	Port William (Monreith)	5·20	·78	6·72	4·32	4·97	4·35	3·18	·09	4·09	1·34	6·01	2·01	43·06
„ 4	Kirkcowan (Craiglaw).....	5·49	·90	5·80	6·07	5·31	5·31	3·70	·10	5·32	1·99	8·01	3·13	51·13
Kirkcudbright 3	Mossdale (Hensol).....	7·14	·85	7·55	9·14	5·42	3·68	5·72	·20	5·02	1·96	6·52	3·51	56·71
„ 5	Lochrutton (Dumfries W.W.)	5·20	·82	5·70	6·54	4·56	4·37	5·28	·23	3·78	1·58	5·77	2·62	46·45
Dumfries 3	Dumfries (Crichton Roy. Inst.) . ..	6·00	·99	6·64	5·72	4·45	3·63	4·81	·27	2·79	·99	4·70	2·31	43·30
„ 5	Langholm (Arkleton Gardens).....	6·60	1·07	5·33	8·78	3·37	3·46	4·76	·03	4·09	1·43	6·84	2·58	48·34
„ 5	Eskdalemuir Observatory	6·53	1·21	5·71	10·00	3·49	4·92	4·50	·03	4·61	1·54	8·68	3·13	54·35
Roxburgh 3	Crailing	2·19	1·21	3·46	3·36	2·95	2·25	3·22	·33	1·23	·49	3·12	1·63	25·44
„ 7	Kelso (Floors)	1·87	2·20	4·06	3·94	2·91	4·28	2·87	·22	1·28	1·07	2·87	1·84	29·41
Peebles 1	Edinburgh W.W. (Victoria Lodge)	6·75	3·02	7·27	8·76	3·72	3·53	2·77	·00	3·68	1·50	6·18	3·30	50·48
„ 2	Stobo Castle	5·54	1·61	3·35	6·73	3·14	2·94	2·37	·03	2·40	1·16	4·74	2·69	36·70
Berwick.....4	Marchmont House	2·42	2·71	5·74	3·43	3·27	2·89	2·73	·12	1·33	·97	2·66	1·66	29·93
East Lothian 5	North Berwick Reservoir.....	2·04	1·25	4·53	2·22	3·87	3·04	1·73	·20	1·08	1·12	2·31	1·89	25·28
Midlothian 4	Moorfoot Hills (Gladhouse Res.) ..	3·76	3·08	6·45	4·87	3·36	3·54	2·89	·14	2·29	1·09	4·10	2·21	37·78
„ 5	Pentland Hills (Harperrig).....	3·73	1·70	5·49	5·61	3·40	3·16	3·37	·08	2·88	1·87	5·66	2·85	39·80
„ 5	Edinburgh (Blackford Hill)	2·22	1·44	3·75	2·92	2·93	2·97	1·92	·19	1·27	1·22	2·90	2·19	25·92
Lanark 4	Gartcosh (Gartloch Hospital)	3·65	1·62	2·62	5·28	3·83	3·43	2·41	·00	4·17	1·62	4·83	2·82	36·28
„ 5	Strathaven (Dungavel)	3·47	·88	3·10	6·70	3·18	2·79	2·54	·16	4·94	1·84	8·39	2·91	40·90
„ 5	Hamilton W.W. (Townhill)	3·25	·80	3·25	5·53	3·29	2·78	2·20	·03	4·16	1·48	5·61	2·60	34·98
Ayr 3	Kilmarnock (Kay Park)	2·97	·42	2·44	5·18	4·23	3·05	4·31	·14	5·41	2·01	7·00	2·68	39·84
„ 5	Maybole (Otterden)	2·98	·11	2·97	4·72	4·56	3·75	3·36	·42	4·64	1·90	7·74	3·38	40·53
„ 8	Colmonell (Knockdolian)	4·84	·43	5·02	4·23	3·53	3·25	3·43	·06	3·84	1·74	6·05	2·42	38·84
„ ..... .13	Glen Afton (Ayr Sanatorium)	5·70	·94	4·53	9·17	5·58	3·14	4·51	·00	6·16	2·06	8·20	3·42	53·41

Table 8c Monthly Rainfall—SCOTLAND (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Renfrew 2	Glasgow (Queen's Park)	3·50	1·08	2·90	6·63	3·94	2·70	3·05	·03	4·84	2·03	5·80	2·13	38·63
,, ...3	Greenock (Prospect Hill)	8·02	1·14	4·17	9·71	5·07	3·83	5·03	·00	6·36	3·66	9·60	3·38	59·97
Stirling 1	Falkirk (Arnotdale)	3·62	2·09	3·75	4·84	3·40	4·21	3·03	·00	3·45	1·61	4·44	2·12	36·56
Bute.....1	Rothesay (Ardencraig)	5·78	·82	3·99	5·65	5·09	4·51	3·90	·03	4·93	2·29	7·45	2·82	47·26
Argyll 2	Loch Sunart (Glenborrodale).....	7·78	·04	3·00	7·90	4·27	5·73	4·87	·24	9·08	4·38	9·63	3·87	60·79
,, ...3	Morvern (Kingairloch)..	10·91	·00	4·48	15·70	4·04	9·80	7·57	·06	12·06	7·72	15·38	4·91	92·63
,, ...4	Glenleven (Kinlochleven)	8·74	·61	3·07	17·39	3·78	5·64	5·70	·00	12·84	7·37	14·28	4·40	83·82
,, ...7	Oban	4·47	·01	2·15	7·45	3·10	4·42	6·71	·11	8·11	4·24	9·66	3·30	53·73
,, ...8	Lochgilphead (Poltalloch)	5·39	·17	2·72	4·61	4·02	4·36	5·34	·09	7·50	3·70	9·00	3·10	50·00
,, ...9	Largie Castle	5·92	·39	3·65	4·53	4·53	3·21	4·25	04	5 37	2·70	8·28	3·70	46·57
,, ... .10	Monybacach (Skipness)	5·31	·41	3·89	5·39	4·37	3·48	2·81	·12	5·10	2·36	8·74	4·42	46·40
,, ...11	Ardrishaig (Canal Office).....	7·13	·16	3·15	7·05	4·38	4·62	3·82	·09	8·14	3·40	11·44	4·68	58·06
,, ...11	Inveraray Castle Gardens	7·36	·23	2·78	10·38	4·45	5·78	8·89	·18	10·77	5·62	14·04	4·65	75·13
,, ...12	Loch Eck (Benmore)	10·76	·67	5·44	11·16	5·25	6·19	6·80	·06	10·44	4·64	14·04	5·46	80·91
,, ...14	Islay (Eallabus)	4·17	·65	4·18	4·50	4·54	3·88	5·94	·00	5·98	2·77	8·33	3·03	47·97
,, ...14	Jura (Ardfin)	5·15	·08	4·77	5·45	5·41	6·68	6·03	·00	5·43	2·57	4·29	3·50	49·36
,, ...14	Colonsay	3·73	·07	2·65	4·75	4·44	4·03	4·10	·19	4·36	2·74	7·25	3·73	42·04
,, ...14	Seil (An Cala)	5·96	·07	2·35	6·42	3·07	5·86	4·99	·13	6·79	3·78	9·98	4·78	54·18
,, ...14	Mull (Gruline)	9·47	·05	4·34	9·28	4·17	5·83	4·46	·11	10·46	5·69	9·88	3·31	67·05
,, ...14	Tiree	3·80	·18	1·98	5·83	3·61	3·69	3·50	·16	5·12	1·87	5·85	3·46	39·05
Kinross 2	Loch Leven Sluice	4·15	2·11	4·76	4·51	3·88	3·82	2·44	·15	3·05	1·99	3·91	2·08	36·85
Fife..... 3	Leuchars Airfield	3·43	2·17	3·48	2·28	4·26	2·55	1·57	·50	2·02	1·41	1·75	1·19	26·61
Perth 1	Loch Dhu.....	12·09	1·25	6·50	14·87	6·10	6·13	6·90	·02	8·60	5·45	12·48	3·68	84·07
,, ...3	Glengyle	11·68	1·53	5·23	14·57	6·05	5·92	7·15	·00	10·02	6·58	15·27	4·04	88·04
,, ...4	Glendevon (Frandy)	6·38	3·50	6·00	11·24	4·42	6·28	5·55	·09	6·57	3·71	8·19	3·20	65·13
,, ...7	Lochearnhead (Edinchip)	9·04	1·00	5·06	12·80	6·64	4·68	5·23	·05	7·11	4·20	11·13	3·01	69·95
,, ...7	Crieff (Strathearn Hydro)	5·83	2·89	6·54	7·55	4·11	5·71	4·78	·05	4·52	2·76	4·45	1·89	51·08
,, ...11	Aberfeldy (Dall Avon)	6·29	1·23	4·22	6·84	3·65	2·34	4·43	·04	3·90	2·33	4·56	1·45	41·28
,, ...14	Loch Rannoch (Dall)	6·99	1·23	2·53	9·94	4·02	2·86	3·37	·05	4·19	3·07	6·52	2·09	46·86
,, ...14	Blair Atholl (Blair Castle Gdns.) ..	5·46	·88	2·12	4·92	3·74	3·49	4·66	·04	4·27	1·85	4·64	1·83	37·90
,, ...15	Kirkmichael (Ballintuim House) ...	5·98	2·56	3·75	5·46	4·39	3·41	6·73	·09	4·12	2·42	3·20	1·16	43·27
Angus 2	Dundee (Clatto Res.)	3·01	3·97	4·31	2·44	4·58	3·23	3·43	·27	2·99	2·21	2·06	1·57	34 07
,, ...3	Arbroath (Western Cemetery)	3 12	1·95	3·29	2·35	3·84	1·83	1·09	·19	1·67	1·20	1·66	1·59	23·78
,, ...3	Forfar W.W. (Den of Ogil)	5·30	3·57	3·01	4·30	5·16	3·34	3·46	·05	3·62	2·79	2·95	2·21	39·76
,, ...4	Montrose (Sunnyside Asylum)	3·83	2·40	3·07	2·94	4·60	2·67	1·51	·07	1·77	1·55	1·98	1·90	28·29
Kincardine 3	Strachan (Bridge of Dye).....	6·91	3·82	5·17	5·36	6·92	1·71	2·39	·14	2·76	2·83	2·94	3·03	43·98
Aberdeen 1	Braemar (Bank).....	4·01	2·71	4·32	6·37	3·45	2·25	3·06	·48	3·41	2·23	3·48	2·03	37·80
,, ...1	Balmoral Castle Gardens..	3·38	2·42	3·32	3·91	3·06	2·00	2·46	·81	2·60	2·00	3·28	2·08	31·32
,, ...1	Lumphanan	4·46	2·73	3·59	2·65	3·97	1·86	2·78	·34	2·05	2·61	3·27	2·16	32·47

Table 8c Monthly Rainfall—SCOTLAND (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Aberdeen 2	Aberdeen Observatory	4·56	1·47	4·00	1·96	2·89	1·11	1·44	·00	1·67	1·99	2·79	2·37	26·25
,, ...3	Haddo House	5·25	2·05	3·17	2·00	2·99	2·27	1·59	·00	2·99	2·39	4·29	2·95	31·94
,, ...3	Fyvie Castle	3·97	2·78	3·54	1·82	2·61	1·75	2·06	·14	3·12	2·33	4·04	2·35	30·51
,, ...4	Peterhead (Forehill Works)	3·24	1·51	2·21	1·25	1·63	1·81	1·00	·04	2·43	1·73	5·06	2·09	24·00
Banff 2	Turriff (Forglen Gardens)	2·82	2·06	3·44	1·70	2·45	2·00	1·54	·08	3·15	2·13	5·47	3·60	30·44
,, ...3	Ballindalloch	1·94	1·51	2·14	3·21	1·61	3·86	2·89	·33	3·75	1·60	5·31	1·83	29·98
Moray 2	Fochabers (Gordon Castle)	1·69	·96	2·60	1·29	1·67	3·22	2·41	·53	3·50	1·51	5·31	1·61	26·30
Nairn 2	Nairn (Achareidh)	·78	·64	1·17	1·44	1·52	3·06	1·82	·32	3·25	1·16	3·85	1·43	20·44
Inverness 2	Dalwhinnie	5·43	·50	1·63	9·41	3·85	4·35	4·38	·00	5·02	2·21	8·38	1·74	46·90
,, ...3	Glenshero	4·97	·18	1·59	10·09	2·56	4·10	3·44	·00	5·48	2·10	8·95	1·86	45·32
,, ...6	Loch Ness (Garthbeg)	3·26	·39	1·98	7·97	2·51	4·20	2·41	·52	4·71	1·93	8·48	2·49	40·85
,, ...6	Loch Ness (Foyers)	3·07	·28	1·87	7·20	2·05	3·81	2·86	·51	4·94	2·30	8·42	2·00	39·31
,, ...7	Inverness (Culduthel Res.)	1·57	·29	·86	3·73	1·89	4·08	2·23	·21	3·59	1·19	5·32	1·61	26·57
,, .. 7	Loch Quoich (Glenquoich)	9·25	·00	2·40	21·08	2·97	5·46	6·51	·03	12·90	8·38	21·75	7·06	97·79
,, ..12	Loch Nevis (Inverie Gardens).....	5·68	·00	1·90	11·86	1·73	6·16	6·19	·00	11·62	5·44	15·15	4·68	70·41
,, ..13	Loch Ailort (Polnish)	5·84	·04	1·75	9·54	3·61	5·05	4·86	·07	10·14	4·37	11·36	4·17	60·80
,, ..17	Onich	6·97	·02	2·02	12·75	4·18	7·52	5·94	·00	9·03	4·98	14·05	3·97	71·43
,, ..17	Fort William (Teviot).....	8·55	·08	1·92	12·44	3·52	6·14	4·63	·01	9·32	5·54	13·98	3·59	69·72
,, ..18	Isle of Eigg.....	4·10	·00	1·62	6·64	2·42	5·19	3·79	·08	7·93	3·57	8·64	4·44	48·42
,, ..18	Skye (Grula)	6·81	·18	3·61	9·11	3·21	7·11	4·93	·10	11·35	5·49	9·08	5·01	65·99
,, ..18	Skye (Portree)	6·09	·43	2·37	11·95	2·02	3·44	3·86	·09	10·32	3·93	9·75	4·60	58·85
,, ..18	Skye (Duntulm, Kilmuir)	3·56	·24	2·25	8·38	2·43	3·71	3·33	·20	7·85	3·18	8·17	3·42	46·72
,, ..19	Vatersay Schoolhouse	3·75	·11	2·26	5·62	3·02	3·66	4·50	·47	6·57	1·97	6·84	3·98	42·75
,, ..19	Benbecula (Airfield)	3·65	·11	1·99	6·23	3·01	3·33	3·42	·28	7·13	2·56	6·36	2·97	41·04
,, ..19	North Uist (Newton)	2·33	·07	1·44	5·34	2·50	2·87	3·90	·42	6·96	2·72	5·09	3·42	37·06
Ross and Cromarty 3	Fortrose	1·06	·75	1·16	2·08	1·41	3·11	2·58	·31	4·15	1·15	4·15	2·09	24·00
,, ...4	Muir of Ord (Fairburn)	2·72	1·13	1·82	5·40	2·17	3·24	3·05	·13	5·19	1·53	6·64	3·07	36·09
,, ...7	Inverbroom (Glackour)	4·95	·71	1·85	9·02	1·29	2·68	3·24	·07	9·68	3·18	11·18	5·85	53·70
,, ...7	Ullapool	2·43	·50	1·00	4·54	1·04	2·96	2·01	·09	5·80	2·35	7·90	3·99	34·61
,, ...9	Loch Carron (Dunhulladale)	5·63	·36	1·29	10·56	1·49	5·16	3·80	·08	10·57	3·58	10·70	3·92	57·14
,, ...9	Applecross Gardens	4·95	·14	2·05	7·11	1·95	3·34	3·55	·06	6·81	3·27	9·00	3·59	45·82
,, ...9	Achnashellach	5·89	·54	1·61	12·05	1·94	3·72	4·74	·07	10·08	5·47	15·28	4·24	65·63
,, ...10	Stornoway Airfield	2·75	·44	1·35	5·66	2·05	2·68	3·06	·49	6·72	3·08	7·65	4·02	39·95
Sutherland 1	Lairg	2·49	1·65	2·65	3·22	2·58	3·13	2·98	·24	6·02	2·26	5·26	2·26	34·74
,, ...3	Kinbrace (Auchintoul)	3·68	1·65	2·71	3·75	1·86	1·88	2·12	·18	5·05	2·29	6·12	3·53	34·82
,, ...4	Skerray (Borgie)	2·37	1·61	2·27	3·13	1·35	2·82	2·05	·25	6·86	2·99	6·70	4·55	36·95
,, ...5	Cape Wrath	1·80	1·18	2·15	4·71	1·34	3·90	1·48	·36	8·10	3·49	7·91	3·93	40·35
,, ...5	Loch More (Achfary)	4·79	1·74	2·45	10·11	1·52	4·11	3·64	·28	13·58	6·57	14·46	9·32	72·57
,, ...6	Lochinver (Bank House)	3·24	·91	1·61	5·07	2·52	3·22	2·10	·11	9·46	3·09	8·36	4·99	44·68

Table 8c Monthly Rainfall—SCOTLAND (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Caithness 1	Berridale (Langwell)	2·02	1·35	1·74	2·25	1·78	1·81	1·84	·11	4·54	1·83	2·48	2·79	24·54
„ ...2	Wick	2·96	1·43	1·73	1·81	1·24	2·54	·88	·06	3·89	1·62	5·05	3·53	26·74
„ ...3	Thurso (Buckies)	3·18	2·07	2·21	2·07	1·22	1·84	1·15	·18	4·92	2·08	5·48	4·29	30·69
Orkney	Stenness	3·16	1·36	1·96	3·32	·98	1·52	1·37	·11	5·26	2·00	4·51	4·63	30·18
Shetland	Lerwick Observatory	3·77	2·67	1·94	4·24	·60	2·41	1·56	·03	4·89	2·61	5·32	3·70	33·74
„	Baltasound (Halligarth)	3·78	1·36	6·28	5·56	·54	2·76	·89	·05	4·09	2·33	6·78	3·85	38·27
	NORTHERN IRELAND													
Fermanagh 1	Newtownbutler (Crom Castle)	1·91	1·14	4·34	3·19	3·84	3·75	3·61	1·21	2·85	2·25	5·27	3·33	36·69
„ 1	Belleek (Roscor)	4·10	1·01	5·15	4·54	5·65	2·28	4·56	·94	4·20	3·36	7·38	4·88	48·05
„ 1	Belleek (Heronshaw)	4·62	1·06	4·80	4·27	6·08	2·75	4·85	·96	4·14	3·47	7·64	5·79	50·43
Armagh 4	Markethill (Whitecross)	4·93	1·36	6·45	4·63	4·25	4·43	4·09	·35	3·49	1·47	5·32	3·60	44·37
„ 5	Armagh (Observatory)	2·21	1·04	4·51	3·60	3·54	3·74	3·24	·56	2·68	1·94	4·00	3·18	34·24
„ 5	Newry (Bridge Street House)	4·73	1·62	5·48	3·76	2·77	4·41	2·23	·57	3·70	1·62	4·74	2·86	38·49
Down 2	Silent Valley (Belfast W.W.)	4·41	2·29	10·52	4·26	4·44	4·66	4·48	·88	3·44	2·90	5·66	5·59	53·53
„ 2	Seaforde	5·10	1·46	7·34	3·55	5·38	4·48	4·06	·77	2·66	1·71	4·04	4·29	44·84
Antrim 1	Belfast (Queen's University)	4·28	2·36	5·69	3·41	3·79	3·05	3·67	·30	2·52	2·72	4·56	2·74	39·09
„ 1	Carrickfergus (Copeland)	3·97	·91	5·38	3·79	4·28	3·94	4·28	·16	3·27	2·45	5·67	2·38	40·48
„ 2	Larne (Sallagh Springs)	4·96	1·72	5·08	4·47	4·06	3·07	4·98	·12	3·28	2·78	7·35	2·80	44·67
„ 3	Ballycastle (Coolgreany)	3·94	2·04	4·53	2·65	3·54	3·28	3·84	·00	3·58	2·37	6·49	2·99	39·25
„ 5	Aldergrove (Airfield)	2·95	1·24	4·01	2·99	3·17	3·52	3·80	·34	2·86	1·86	3·82	1·66	32·22
„ 5	Ballymena (Harryville)	3·70	1·63	4·38	3·98	3·34	4·17	4·18	·26	3·77	1·86	6·07	2·75	40·09
Londonderry 3	Garvagh (Moneydig)	5·01	·70	4·01	4·45	4·52	5·63	3·62	·31	2·87	2·16	6·58	2·44	42·30
„ 3	Coleraine (Ingledene)	4·10	·82	3·29	4·07	3·93	4·59	4·46	·20	3·24	2·40	6·71	2·32	40·13
„ 5	Glenedra Lodge	7·00	2·50	5·83	6·97	4·25	5·27	6·99	·35	4·62	2·82	8·19	4·08	58·87
„ 5	Londonderry (Creggan Res.)	3·14	1·11	3·99	4·53	4·08	4·16	4·37	·49	3·99	2·40	8·01	3·41	43·68
Tyrone 2	Castlecaulfield (Parkanaur)	1·97	1·43	4·38	3·29	4·41	4·40	4·68	·77	3·02	2·57	4·71	3·06	38·69
„ 3	Omagh (Edenfel)	3·78	1·16	4·71	4·43	4·36	4·56	3·76	·45	3·63	1·99	7·47	3·00	43·30
„ 3	Sion Mills (Sion House)	4·24	1·25	3·79	4·06	4·61	3·39	7·07	·29	3·55	2·40	7·15	2·24	44·04

Table 8D Monthly Rainfall in 1947 ; the Average, 1881-1915, being taken as 100

County and River Division	Station	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		%	%	%	%	%	%	%	%	%	%	%	%	%
London 2	St. Pancras (Camden Square)	80	93	314	121	55	136	75	4	77	3	43	95	86
Kent 1	Folkestone (Cherry Garden)	108	75	273	104	67	151	139	1	58	9	71	106	90
,, ... 4	Edenbridge (Falconhurst)	140	114	244	115	94	126	80	5	74	13	39	82	87
Sussex 1	Compton (Compton House)	117	86	296	147	68	98	56	17	77	25	51	82	87
,, ... 3	Worthing (Beach House Park) ...	108	103	345	85	82	138	63	31	72	23	43	76	89
Hampshire 1	Ventnor (Royal Nat. Hospital)	121	88	337	120	94	103	81	39	57	40	73	104	99
,, ... 3	Fordingbridge (Oaklands)	120	46	330	157	87	95	71	26	58	26	42	89	88
,, ... 8	Sherborne St. John	106	67	290	132	77	84	58	24	54	21	58	93	85
Hertford 3	Royston (Therfield Rectory)	86	90	284	128	46	99	73	1	61	6	50	122	81
Buckingham 3	Slough (Upton)	94	66	308	116	113	130	114	14	65	5	54	100	92
Oxford 3	Oxford (Radcliffe Met. Station) ...	76	101	317	115	100	48	72	26	67	14	55	72	80
Northampton..... 4	Wellingborough (Swanspool)	97	108	265	141	59	64	79	0	72	8	66	96	82
Cambridge 2	March	101	107	304	119	21	218	86	23	63	6	57	85	91
Essex 1	Hatfield Broad Oak (Barrington) ..	118	108	304	134	43	116	135	5	114	7	49	126	99
,, ... 3	Shoeburyness	170	72	268	89	88	140	98	30	84	14	41	111	93
Suffolk 3	Campsea Ashe (High House)	104	122	209	89	25	79	77	35	45	11	67	147	81
,, ... 4	Lowestoft (Secondary School) ...	117	164	248	93	35	87	66	7	21	12	60	94	73
,, ... 5	Bury St. Edmunds (Westley Hall) ..	94	96	214	131	30	155	93	5	56	9	63	120	84
Norfolk..... 3	Sandringham House Gardens	100	87	248	136	17	93	63	1	52	11	58	94	73
Wiltshire 3	Bishops Cannings	84	58	235	115	105	78	80	17	62	16	63	75	77
Dorset 3	Creech Grange	116	83	299	113	115	93	56	43	65	38	67	84	92
,, ... 3	Beaminster (East Street)	117	57	299	130	128	108	120	33	65	23	59	69	93
South Devon 5	Teignmouth (Den Gardens)	143	82	334	139	144	140	73	53	110	25	66	48	105
,, .6	Cullompton	156	52	238	86	148	125	61	27	97	17	82	91	93
North Devon 2	Barnstaple (N. Dev. Athenaeum)...	99	18	221	135	84	109	92	10	54	35	83	74	79
,, ..3	Okehampton (Uplands)	117	37	227	173	135	131	97	22	103	40	78	87	97
Cornwall..... 1	Bude School House	96	44	251	101	187	156	95	11	69	34	76	87	92
,, ... 2	Penzance (Morrab Gardens).....	138	71	295	118	123	155	77	26	50	39	78	61	96
,, ... 2	St. Austell (Trevarna).....	110	57	339	110	176	197	100	49	63	41	101	72	108
,, ... 4	Tresco Abbey	146	189	294	117	200	239	117	45	59	68	86	68	124
Gloucester 7	Cirencester	90	53	311	140	75	82	99	14	80	13	61	61	84
Hereford 1	Vowchurch (Ladywell House).....	117	95	333	161	113	91	96	25	63	19	95	60	99
Shropshire 3	Church Stretton (Sewage Works) ..	100	78	285	131	116	60	136	20	73	9	78	86	91
,, ... 4	Cheswardine Hall	84	67	238	128	129	50	208	22	70	20	85	97	95
Stafford..... 5	Leek (Wall Grange P.S.)	70	33	188	133	121	48	105	18	61	13	120	79	79
Worcester 1	Malvern (Free Library)	97	86	330	143	91	81	61	41	70	15	85	82	92
Warwick 1	Alcester (Ragley Hall)	106	67	310	120	90	67	104	21	83	16	89	87	89
,, ... 4	Birmingham (Edgbaston).....	104	119	355	152	114	68	170	23	89	14	79	85	107

Table 8D Monthly Rainfall in 1947 ; the Average, 1881-1915, being taken as 100 (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		%	%	%	%	%	%	%	%	%	%	%	%	%
Leicester 4	Thornton Reservoir	89	104	256	131	63	60	108	7	55	12	89	86	82
Lincoln 3	Boston (Black Sluice, Skirbeck) ...	117	106	275	135	24	171	68	0	73	8	55	94	84
,, ...4	Skegness (Marine Gardens).....	90	58	270	133	8	128	67	2	56	7	60	99	75
Nottingham 5	Mansfield (Carr Bank)	116	127	236	133	96	78	81	6	80	6	76	78	86
Cheshire 3	Birkenhead (Bidston Obsy.)	91	48	228	149	206	104	175	9	93	33	130	75	104
S. Lancashire 3	Manchester (Whitworth Park)	92	21	221	123	101	72	86	11	89	16	142	85	84
C. ,, ...1	Stonyhurst College	85	33	171	126	87	82	92	4	124	19	170	92	88
N. ,, ...1	Ulverston (Poaka Beck)	101	29	190	153	166	110	93	4	99	18	105	52	85
N. ,, ...5	Blackpool (Stanley Park)	119	34	216	180	202	131	85	15	141	13	110	85	101
Yorkshire, W.R. ...8	Wakefield (Clarence Park).	139	243	286	118	162	136	71	13	65	27	94	105	112
,, E.R.....3	Hull (Pearson Park)	114	185	235	94	28	96	38	24	55	20	65	88	79
,, N.R. 2	Felixkirk (Mount St. John)	133	166	222	175	118	99	59	8	86	22	82	90	96
,, ,, ...3	York (Museum).....	140	127	264	108	78	160	103	11	120	31	67	80	100
,, ,, ...5	Scarborough	100	122	175	126	47	121	63	22	75	19	85	56	77
,, ,, ...6	Middlesbrough (Albert Park)	62	182	174	208	77	125	83	17	138	9	81	73	89
,, ,, ...6	Baldersdale (Hury Reservoir)	106	128	193	268	71	168	114	5	136	26	142	100	115
Northumberland ...3	Newcastle (Leazes Park)	75	173	169	199	91	124	112	1	85	25	107	104	97
,, ...4	Bellingham (High Green)	146	54	145	252	132	163	125	10	70	24	124	52	100
,, ...6	Ilderton (Lilburn Tower Gdns.) ...	135	192	259	229	106	105	107	9	48	19	90	85	107
Cumberland 1	Geltsdale	84	49	158	200	88	134	154	3	115	16	144	63	94
,, ...2	Keswick (High Hill)	140	26	122	386	105	108	92	0	124	16	179	47	100
,, ...3	Ravenglass (The Grove)	132	28	194	177	178	92	92	5	104	15	113	43	89
Monmouth 3	Abergavenny (Larchfield)	121	77	316	191	121	77	79	29	59	15	90	61	99
Glamorgan 3	Ystalyfera (Wern House)	86	30	242	166	119	91	106	10	63	27	128	75	90
,, ...5	Cardiff (Penylan).....	90	60	240	125	101	104	90	26	74	24	116	73	88
Carmarthen 2	Llanddeusant (Pontcrynfe)	117	42	255	181	120	76	77	9	80	26	105	78	93
Pembroke 4	St. Anne's Head (C. Guard Station)	171	125	329	165	167	137	119	31	69	40	119	88	121
Cardigan.....2	Aberystwyth (Corporation Yard) ..	89	6	202	86	143	80	171	12	80	12	99	92	85
Radnor.....1	Birmingham W.W. (Tyrmynydd)...	98	53	249	132	115	87	83	11	81	19	103	75	89
Montgomery 5	Lake Vyrnwy (Fawnog)	121	56	248	217	109	126	125	13	79	28	158	90	109
Merioneth 3	Blaenau Festiniog (Oakeley Q.)	99	22	164	126	67	82	104	3	104	18	189	75	86
Carnarvon 2	Llandudno (Cricket Ground)	225	47	265	174	195	142	69	13	88	16	143	56	110
Anglesey	Llanerchymedd (Llwydiarth Esgob.)	176	44	203	194	169	135	83	16	121	9	107	66	101
Isle of Man	Douglas (Borough Cemetery)	147	33	265	183	161	206	111	8	85	17	150	48	104
Wigtown 3	Port William (Monreith)	159	25	236	196	211	185	113	2	140	34	139	44	112
Dumfries 3	Dumfries (Crichton Royal Inst.) ...	186	30	222	242	162	143	147	7	103	25	128	54	111
,, ...5	Eskdalemuir Observatory	121	24	116	295	106	156	110	1	125	29	150	45	97
Roxburgh.. 3	Kelso (Floors)	107	129	208	251	151	203	109	7	67	37	124	79	113

Table 8D Monthly Rainfall in 1947 ; the Average, 1881-1915, being taken as 100 (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		%	%	%	%	%	%	%	%	%	%	%	%	%
Peebles 2	Stobo Castle	185	58	116	322	138	126	82	1	95	34	143	71	105
Berwick.....4	Marchmont House	108	130	217	170	132	125	90	4	55	25	89	59	93
East Lothian 5	North Berwick Reservoir.....	119	80	241	158	194	183	67	6	52	38	102	88	100
Midlothian 5	Edinburgh (Blackford Hill)	126	87	190	199	143	149	68	6	62	45	129	94	99
Lanark 5	Hamilton W.W. (Townhill)	98	28	116	296	138	126	77	1	155	45	157	60	98
Ayr 8	Colmonell (Knockdolian)	112	11	149	167	138	128	109	1	111	·39	121	43	87
,, ...13	Glen Afton (Ayr Sanatorium)	112	21	108	306	186	105	107	0	158	40	149	53	100
Renfrew 3	Greenock (Prospect Hill)	124	21	90	282	156	123	136	0	142	72	158	45	103
Bute.....1	Rothesay (Ardencraig)	128	21	111	190	168	147	98	1	122	52	149	52	96
Argyll 2	Loch Sunart (Glenborrodale)	110	1	54	189	120	178	105	4	145	67	129	44	88
,, ...8	Lochgilphead (Poltalloch)	107	4	71	153	139	143	129	2	164	75	160	49	95
,, ...11	Inveraray Castle Gardens	90	3	44	226	113	146	179	3	168	80	166	47	97
,, ...14	Islay (Eallabus)	89	15	109	157	171	148	174	0	143	58	155	51	98
,, ...14	Tiree	89	5	59	237	144	145	97	4	138	41	121	66	87
Kinross 2	Loch Leven Sluice	132	75	159	235	159	174	85	4	119	58	109	53	103
Fife 3	Leuchars Airfield	188	124	178	144	218	153	60	16	105	54	76	49	104
Perth 1	Loch Dhu.....	133	17	99	314	136	147	143	0	150	76	144	37	105
,, ...7	Crieff (Strathearn Hydro)	145	82	204	345	165	216	161	1	158	70	103	42	125
,, ...14	Blair Atholl (Blair Castle Gardens)	164	32	81	233	184	176	182	1	180	60	132	48	113
Angus 4	Montrose (Sunnyside Asylum).....	192	130	148	161	225	161	57	3	89	56	75	68	105
Aberdeen 1	Balmoral Castle Gardens	122	93	116	182	132	118	96	27	108	56	89	62	95
,, ...2	Aberdeen Observatory	209	72	166	105	124	65	51	0	75	66	95	74	89
,, ...3	Fyvie Castle	168	124	130	85	101	83	63	4	120	61	117	69	90
Moray 2	Fochabers (Gordon Castle)	84	50	112	74	79	158	75	17	140	48	184	60	88
Nairn 2	Nairn (Achareidh)	43	40	64	103	85	173	71	13	154	51	171	70	86
Inverness 3	Glenshero	93	4	43	379	96	182	114	0	155	51	187	32	99
,, ...6	Loch Ness (Foyers)	73	9	58	332	84	172	95	17	168	68	216	45	103
,, ...7	Loch Quoich (Glenquoich)	67	0	25	325	54	111	101	0	149	84	179	48	88
,, ...17	Onich	80	0	31	284	106	194	114	0	144	77	166	40	92
,, ...17	Fort William (Teviot).....	88	1	29	276	89	173	95	0	146	78	170	35	88
,, ...18	Skye (Duntulm, Kilmuir)	67	5	51	258	85	143	89	4	171	58	136	55	87
Ross and Cromarty 7	Ullapool	54	12	27	150	42	130	65	3	160	50	153	66	74
,, 9	Applecross Gardens	90	3	44	208	60	117	89	1	136	55	139	56	80
,, 9	Achnashellach	65	8	24	225	46	99	97	1	147	72	177	45	82
,, 10	Stornoway Airfield	56	10	35	197	84	122	106	13	179	63	138	68	84
Sutherland 1	Lairg	76	53	85	139	102	150	95	8	213	61	132	56	93
,, ...5	Loch More (Achfary)	66	26	50	208	35	111	68	5	236	84	169	101	96
Caithness 2	Wick Airfield	120	63	76	91	60	141	33	2	156	55	161	115	89

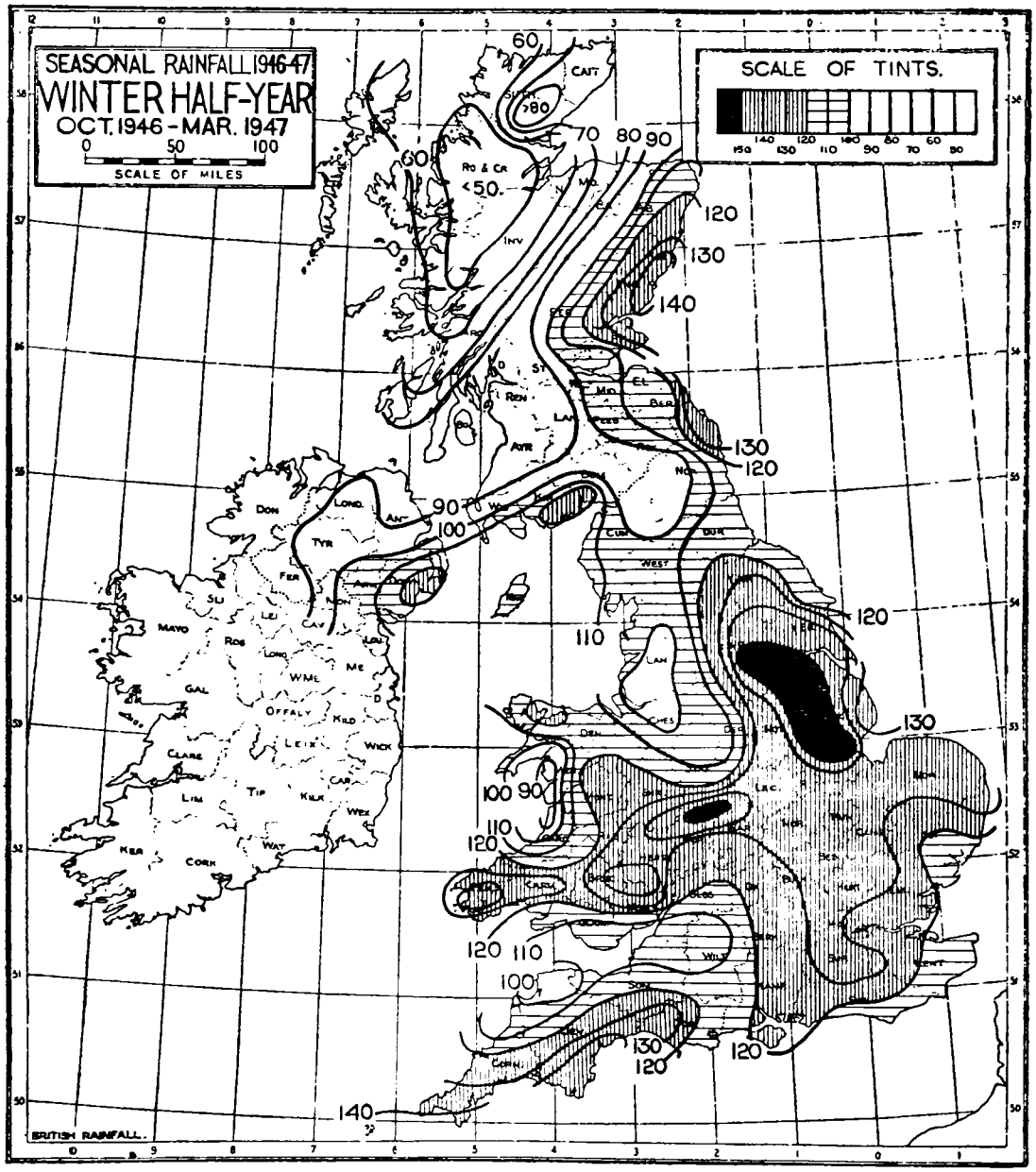
Table 8D Monthly Rainfall in 1947 ; the Average, 1881-1915, being taken as 100 (*concluded*)

County and River Division	Station	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		%	%	%	%	%	%	%	%	%	%	%	%	%
Shetland	Lerwick Observatory	88	84	61	186	29	135	68	1	162	66	125	77	89
Fermanagh 1	Newtownbutler (Crom Castle)	57	39	140	125	138	138	104	29	102	69	151	80	95
Armagh 5	Armagh Observatory	88	47	192	171	149	148	112	15	109	71	141	102	108
Down 2	Seaforde	162	48	251	135	205	162	127	21	97	48	107	104	117
Antrim 5	Aldergrove Airfield	109	51	160	142	140	146	136	9	115	62	118	48	98
„ 5	Ballymena (Harryville)	100	50	139	151	117	143	122	6	121	50	150	62	97
Londonderry 3	Garvagh (Moneydig)	146	22	129	182	177	222	112	8	97	61	167	61	109
„ ...5	Londonderry (Creggan Res.)	87	35	125	176	156	148	119	11	121	65	195	78	105
Tyrone 3	Omagh (Edenfel)	107	39	150	168	168	162	111	11	119	54	197	71	108
														‡
England	(general mean* 60 Stations)	**109**	**90**	**257**	**142**	**97**	**113**	**93**	**17**	**77**	**19**	**81**	**85**	..
Wales	(„ „ 11 „)	**127**	**51**	**247**	**160**	**130**	**103**	**101**	**16**	**82**	**21**	**123**	**75**	..
England and Wales ..	(„ „ 71 „)	**112**	**84**	**256**	**145**	**102**	**112**	**94**	**17**	**78**	**19**	**88**	**83**	..
Scotland	(„ „ 43 „)	**112**	**42**	**106**	**216**	**123**	**146**	**99**	**4**	**136**	**56**	**140**	**58**	..
Northern Ireland	(„ „ 8 „)	**107**	**41**	**161**	**156**	**156**	**159**	**118**	**14**	**110**	**60**	**153**	**76**	..

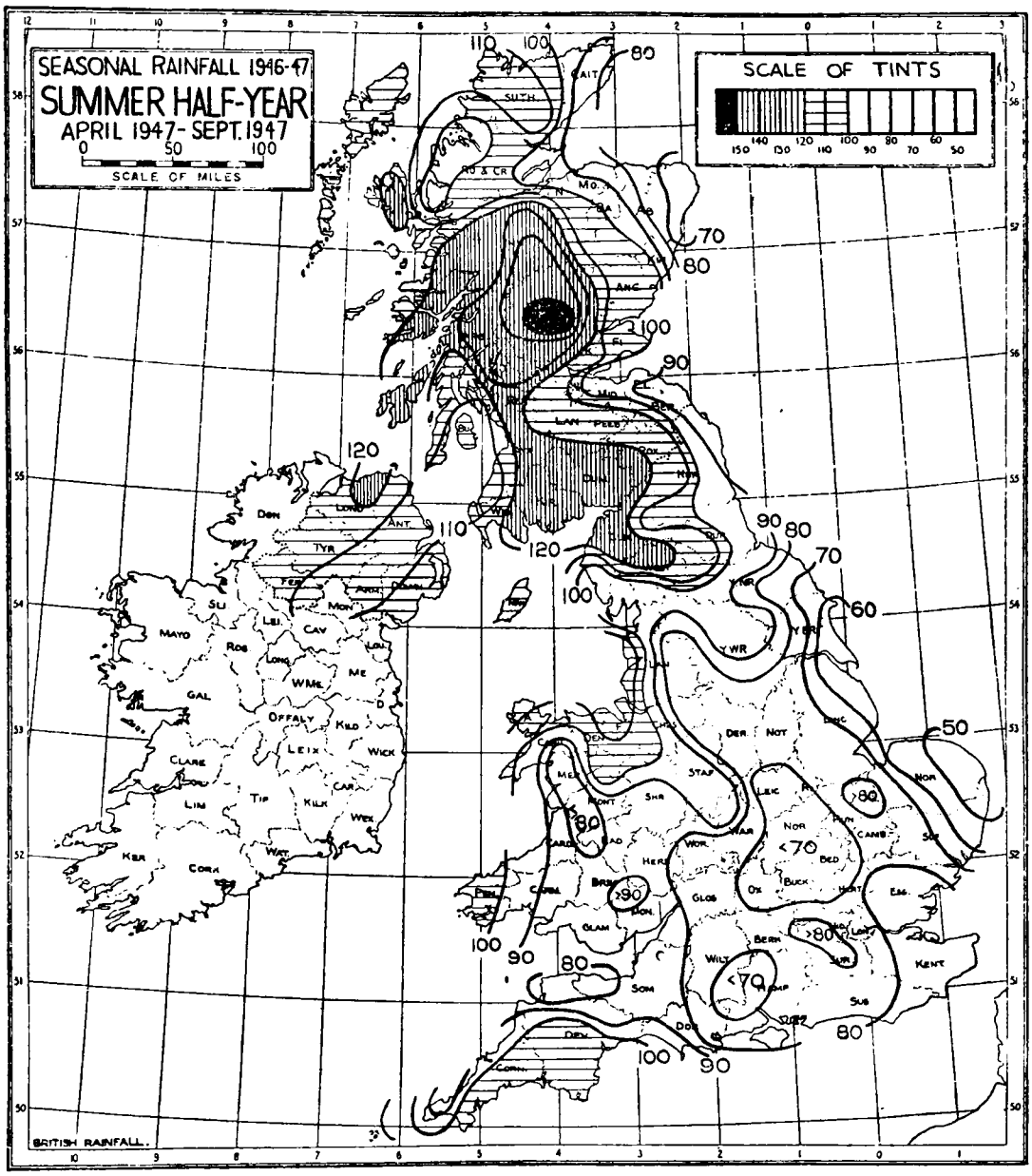
* The ' general ' values given in the last five rows are obtained by taking the means of the percentage values for the stations. ‡ See Table 10A.

9 Seasonal Rainfall 1946-47

THERE are definite advantages in considering the rainfall of the winter and summer separately. One defect of the calendar year as a unit of time for rainfall purposes is that part of a winter is included in one calendar year and the other part in another year. Winter rainfall has a special economic importance, for, except in the wettest areas, the summer rainfall is, for the most part, lost by evaporation or absorbed by vegetation.



Rainfall, Winter Half-year, as per cent. of average


SEASONAL RAINFALL 1946-47
SUMMER HALF-YEAR
APRIL 1947 - SEPT. 1947
0 50 100
SCALE OF MILES
SCALE OF TINTS
150 140 130 120 110 100 90 80 70 60 50
BRITISH RAINFALL.

Rainfall, Summer Half-year, as per cent. of average

In this section the rainfall of the winter season, 1st October 1946 to 31st March 1947 and of the summer season, 1st April 1947 to 30th September 1947, is dealt with, as well as the rainfall of the whole seasonal year, 1st October 1946 to 30th September 1947. It is usual to associate a summer season with the preceding rather than with the following winter season, since the water required in summer for replenishing streams and for the needs of animal and vegetable life is derived, in part, from that which has been naturally stored during the previous winter season. One section of *British Rainfall* has been devoted to this subject since the volume for 1908, and three maps and Table 9A, similar to those introduced in that volume, are now reproduced.

Table 9A contains rainfall values for these two seasons expressed as percentages of the average fall for the season at each station.

The table gives, in the fourth column, the corresponding percentages for each station for the whole of the seasonal year. These last figures are not always the mean of the percentages for the two seasons, but often show a bias towards the winter value rather than that of the summer. This is due to the fact that the average rainfall for the winter, is, in general, greater than that for the summer.

The stations in Table 9A are, as far as possible, the same as those used in *British Rainfall* 1946. The monthly percentage values for these stations are given in Table 8D and the monthly and annual values in inches are included in Table 8C. Seasonal percentage values for the larger divisions of the country are given in Table 9B. In *British Rainfall*, 1926, p. 125, values are given for the general rainfall over England and Wales and Scotland separately back to 1906–07 and the series has been continued in the annual volumes.

Rainfall, Seasonal Year, as per cent. of average

Table 9A Seasonal Rainfall, 1946-47, as a Percentage of the Average, 1881-1915

Station†	Winter Oct. 1946-Mar. 1947	Summer Apl. 1947-Sept. 1947	Year Oct. 1946-Sept. 1947
St. Pancras (Camden Square) ...	124	75	100
Folkestone (Cherry Garden)	110	83	99
Edenbridge (Falconhurst)	131	79	108
Compton (Compton House)	127	73	104
Worthing (Beach House Park) ...	119	76	101
Ventnor (Royal National Hospital) ...	122	80	105
Fordingbridge (Oaklands)	118	78	102
Sherborne St. John	124	69	100
Royston (Therfield Rectory) ...	130	64	97
Slough (Upton)	130	89	112
Oxford (Radcliffe Met. Station) ...	123	68	96
Wellingborough (Swanspool) ...	132	64	98
March	134	86	109
Hatfield Broad Oak (Barrington) ...	131	89	110
Shoeburyness	126	88	108
Campsea Ashe (High House) ...	120	59	91
Lowestoft (Secondary School) ...	139	44	93
Bury St. Edmunds (Westley Hall) ...	121	75	98
Sandringham House Gardens ...	137	55	97
Bishops Cannings	105	71	89
Creech Grange	118	78	102
Beaminster (East Street)	132	93	117
Teignmouth (Den Gardens)	144	107	129
Cullompton	123	86	107
Barnstaple (North Devon Athenæum)	95	75	86
Okehampton (Uplands)	118	104	113
Bude School House	102	95	100
Penzance (Morrab Gardens)	132	86	114
St. Austell (Trevarna)	129	109	121
Tresco Abbey	149	117	136
Cirencester	114	77	97
Vowchurch (Ladywell House) ...	138	88	116
Church Stretton (Sewage Works) ...	124	85	106
Cheswardine Hall	111	98	104
Leek (Wall Grange Pumping Stn.) ...	102	76	90
Malvern (Free Library)	122	77	100
Alcester (Ragley Hall)	128	77	102
Birmingham (Edgbaston)	155	98	127
Thornton Reservoir	131	67	99
Boston (Black Sluice, Skirbeck) ...	157	72	115
Skegness (Marine Gardens)	125	60	94
Mansfield (Carr Bank)	138	74	107
Birkenhead (Bidston Observatory) ...	100	113	107
Manchester (Whitworth Park) ...	103	74	89
Stonyhurst College	95	79	87
Ulverston (Poaka Beck)	102	93	98
Blackpool (Stanley Park)	105	113	109
Wakefield (Clarence Park)	152	90	122
Hull (Pearson Park)	144	52	99
Felixkirk (Mount St. John)	131	81	107
York Museum	142	93	117
Scarborough	111	70	91
Middlesbrough (Albert Park)... ...	113	95	104
Baldersdale (Hury Reservior)... ...	116	118	117
Newcastle (Leazes Park)	111	93	102
Bellingham (High Green)	97	115	105
Ilderton (Lilburn Tower Gardens) ...	136	94	117
Geltsdale	92	106	99
Keswick (High Hill)	103	121	111
Ravenglass (The Grove)	115	97	107
Abergavenny (Larchfield)	141	92	121
Ystalyfera (Wern House)	113	85	102
Cardiff (Penylan)	107	81	96
Llanddeusant (Pontcrynfe) ...	130	82	110
St. Ann's Head	140	105	126
Aberystwyth (Corporation Yard) ...	87	90	88
Birmingham W.W. (Tyrmynydd) ...	119	79	104
Lake Vyrnwy (Fawnog)	126	103	117
Blaenau Festiniog (Oakeley Quarry)	92	75	85
Llandudno (Cricket Ground) ...	120	103	112
Llanerchymedd (Llwydiarth Esgob)	123	110	118
Douglas (Borough Cemetery) ...	118	114	116
Port William (Monreith)	115	127	120
Dumfries (Crichton Royal Institute)	125	123	124
Eskdalemuir Observatory	95	121	105
Kelso (Floors)	115	118	117
Stobo Castle	109	112	110
Marchmont House	114	88	102
North Berwick Reservoir	118	94	106
Edinburgh (Blackford Hill) ...	106	90	97
Hamilton W.W. (Townhill) ...	80	117	96
Colmonell (Knockdolian)	85	101	92
Glen Afton (Ayr Sanatorium) ...	84	127	102
Greenock (Prospect Hill)	81	130	101
Rothesay (Ardencraig)	89	110	98
Loch Sunart (Glenborrodale) ...	61	116	83
Lochgilphead (Poltalloch)	67	115	88
Inveraray Castle Gardens	61	133	89
Islay (Eallabus)	76	124	95
Tiree	61	115	84
Loch Leven Sluice	107	113	110
Leuchars Airfield	137	103	120
Loch Dhu	86	139	107
Crieff (Strathearn Hydro)	118	154	133
Blair Atholl (Blair Castle Gardens)	93	146	116
Montrose (Sunnyside Asylum) ...	141	105	124
Balmoral Castle Gardens	96	105	100
Aberdeen Observatory	123	66	97
Fyvie Castle	115	73	95
Fochabers (Gordon Castle) ...	73	85	79
Nairn (Achareidh)	55	95	75
Glenshero	58	142	91
Loch Ness (Foyers)...	50	135	85
Loch Quoich (Glenquoich)... ...	48	122	75
Onich...	50	129	81
Fort William (Teviot)	51	122	77
Skye (Duntuilm, Kilmuir)	65	120	88
Ullapool	44	92	62
Applecross Gardens...	57	98	74
Achnashellach	47	104	69
Stornoway Airfield	51	115	75
Lairg	82	113	95
Loch More (Achfary)	54	111	77
Wick Airfield	78	76	77
Lerwick Observatory	90	95	92
Newtownbutler (Crom Castle) ...	85	100	92
Armagh Observatory	108	109	108
Seaforde	124	118	121
Aldergrove Airfield	93	106	100
Ballymena (Harryville)	86	102	94
Garvagh (Moneydig)	91	121	104
Londonderry (Creggan Reservoir)	88	110	98
Omagh (Edenfel)	97	113	104

† For Counties see Table 8D.

In the *winter half-year* an outstanding feature was the contrast in rainfall distribution over the southern and northern halves of Britain. Individual values ranged from about 150 per cent. of average in parts of the central districts of England to less than 50 per cent. in the north-west of Scotland. England and Wales as a whole had the wettest winter since 1940–41 while over Scotland it was the driest winter since 1939–40. The period included the unusually dry October and the record wet March which was followed by widespread flooding as the accumulated snowfall of late January to early March melted.

In the *summer half-year* conditions over England and Wales were again strikingly contrasted with those in Scotland but in this season it was the southern half of the country which had the low rainfall. Totals ranged from about 50 per cent. of average over much of Norfolk to 150 per cent. in Central Perthshire. April was the only month in the period which was very wet over the country as a whole; in Scotland it was the wettest April on record. Even more extreme in character was the dryness of August over practically the whole of Great Britain.

For the *seasonal year* the percentage values were 105 for England and Wales, 95 for Scotland and 103 for Northern Ireland. Over England and Wales it was the third successive year with rather more rain than average, and over Scotland the second year with a deficient rainfall. The map shows that more than the average occurred in the extreme south of England, over much of the West Midlands and Wales, in a broad belt embracing most of the country from the Wash to the Southern Uplands and over a large area in east and central Scotland. The highest percentage values were 136 at Tresco Abbey, Scilly and 133 at Crieff, Perthshire; the lowest were 62 at Ullapool and 69 at Achnashellach, both in Ross-shire.

Table 9B General Values of Seasonal Rainfall, 1946-47

Country	Winter Oct. 1946-Mar. 1947	Summer Apl. 1947-Sept. 1947	Year Oct. 1946-Sept. 1947
	%	%	%
England	123	84	105
Wales	118	91	107
England and Wales	122	85	105
Scotland	84	112	95
Northern Ireland	97	110	103

10 The Total Fall of Rain in 1947 and its Relation to the Average

The General Table, which forms Part II of this volume, gives the total rainfall for the year at nearly 5,000 stations in Great Britain and Northern Ireland. As many of these totals as practicable have been plotted on a base map on a scale of 16 miles to an inch. The distribution of rainfall has been shown on the map by isohyetal lines or lines of equal rainfall. The distribution is dominated by the orography of the country and the maps of different years resemble each other in their general features. Differences are noticeable only after detailed examination and comparison. The characteristics of a particular year are brought out better by a percentage map, such as that reproduced as a frontispiece to this volume, on which is shown the percentage ratio of the year's rainfall to the local average. The tints on this map are such that blue denotes regions where the 1947 rainfall exceeded the average for the standard period 1881–1915, while red indicates areas with rainfall below this average. Isopleths on the 1947 map are drawn through places where the values of rainfall were respectively 70, 80, 90, 100, 110 and 120 per cent. of the average values. The statistics upon which the map is based are set out in Tables 8D and 10B.

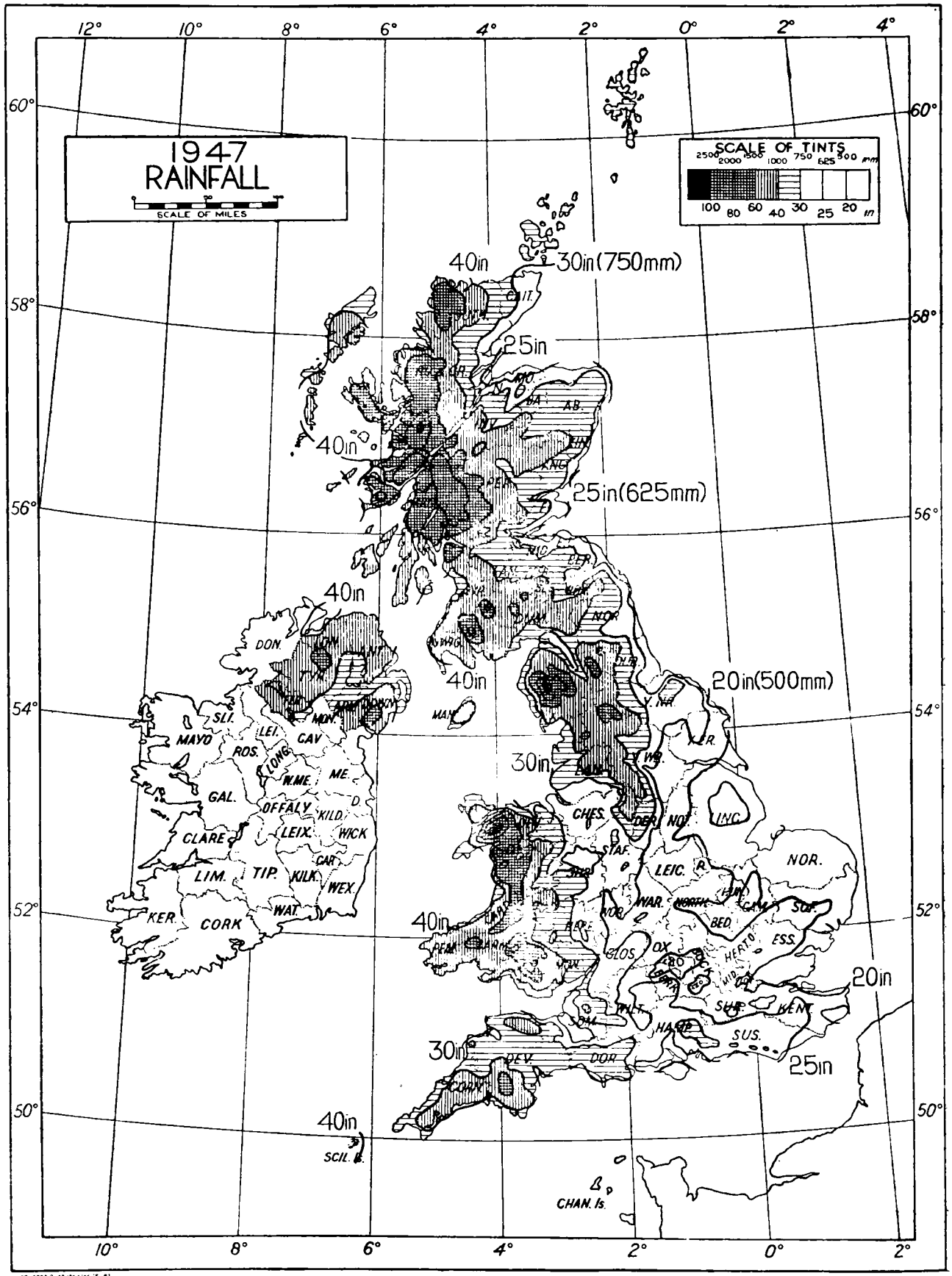
Over most of Great Britain the rainfall of 1947 was rather less than average. The map reproduced as a frontispiece shows that less than 80 per cent. occurred over an area extending from north of Flamborough Head to Lowestoft as well as in small inland areas of England and in Ross-shire and Caithness. The largest area with more rain than the average covered much of central and southern Scotland and north-east England and stretched southward over the northern Pennines. In Northern Ireland the year was wetter than average, except in County Antrim.

The smallest annual percentage values shown in Tables 8D and 10B are 72 at Sprowston (Oak Lodge) and Spurn Head and 73 at Lowestoft and Sandringham. The largest percentages are 125 at Huddersfield (Oakes) and Crieff (Strathearn Hydro), 124 at Tresco Abbey and 121 at St. Anne's Head.

The percentage values of 215 stations are used to derive general values of rainfall for the year over the larger divisions of the country. These values are set out in Table 10A.

Table 10A General Rainfall, 1947, compared with average

Countries	No. of Stations	Average 35 years 1881-1915	1947	
			Per cent	Rainfall
		in.		in.
England ...	122	32·67	91	29·8
Wales	18	50·14	99	49·7
England & Wales	140	35·23	92	32·4
Scotland ...	63	50·32	97	48·8
Northern Ireland	12	39·66	105	41·8
Whole area ...	215	40·33	94	38·0


1947
RAINFALL
SCALE OF MILES
SCALE OF TINTS
2500 2000 1500 1000 750 625 500 mm
100 80 60 40 30 25 20 in
40in
30in(750mm)
25in
40in
25in(625mm)
40in
40in
20in(500mm)
30in
40in
20in
30in
25in
40in
CHAN. Is.
SCIL. Is.
12° 10° 8° 6° 4° 2° 0° 2° 4°
60° 58° 56° 54° 52° 50°
DON. SLI. MAYO LEI. CAV ROS. LONG. WME. ME. GAL. OFFALY KILD. LEIX. WICK CLARE CAR. LIM. TIP. KILK. WEX. KER. CORK WAT.
CHES. DER. NOT. LINC. STAF. LEIC. R. NOR. WAR. NORTH. HUN. CAM. SUF. BED. ESS. HERTS. OX. GLOS. MID. SUR. KENT. SUS. HANTS. WILT. DOR. DEV. CORN.

The equivalent values in mm are given in round numbers. The exact relation is 10in = 254mm.

Over England and Wales as a whole 1947 with only 92 per cent. of the average rainfall ranks as the driest year since 1933 (81 per cent.). Both 1943 and 1945 were very nearly as dry as 1947, having 93 and 94 per cent. of average respectively.

The general distribution of the actual rainfall during 1947 as shown on the accompanying map is similar in its main features to that for earlier years. The annual totals ranged from less than 20 inches on the Moray Firth and along the east coast between Scarborough and the Thames Estuary to more than 140 inches at the wettest stations in the English Lake District and on Snowdon.

Among the largest totals recorded for the year, the following are of interest:—

			Inches
England	...	Cumberland, Sprinkling Tarn ...	141·50
Wales	...	Carnarvon, Snowdon (Grib Goch)	146·10
Scotland	...	Ross and Cromarty, Glenshiel (Kyle)	118·28
N. Ireland	...	Down, Mourne Mountains (Lough Shannagh)	71·90

Notable among the smallest totals during the year were:—

			Inches
England	...	Lincoln, Spalding (Weston St. Mary)	15·40
Wales	...	Flint, Rhyl (Sewage Works) ...	25·45
Scotland	...	Ross and Cromarty, Tarbetness ...	18·78
N. Ireland	...	Antrim, Aldergrove Airfield ...	32·22

Table 10B Rainfall of 1947 as Percentage of Average, 1881-1915 *

County	Station	Per cent. of Average	County	Station	Per cent. of Average
	ENGLAND				
Surrey ...	Reigate (Wray Park Road) ...	80	Yorks W.R.	Harrogate (Harlow Moor) ...	119
Kent ...	Lympne (Airport)	78	Yorks E.R.	Spurn Head	72
,, ...	Bromley	87	,,	Lowthorpe (The Elms) ...	85
Sussex ...	Patching Farm	93	,, N.R.	Guisborough (Lockwood Res.)	96
,, ...	Horsham (Wimblehurst) ...	89	Durham	Barnard Castle (Bowes Museum)	112
,, ...	Eastbourne	94	,,	Burnhope (Lodgegill Mine)	97
Hampshire	Totland Bay (Aston House)	89	North'land	Hallington (Fawcett) ...	105
,,	Portsmouth (Southsea Common)	91	,,	Morpeth (Cockle Park) ...	99
,,	South Farnborough ...	76	,,	Howick Hall	104
Hertford	Harpenden (Rothamsted) ...	78	Cumberland	Penrith (Newton Rigg) ...	100
Buckingham	Oving House	82	,,	Borrowdale (Seathwaite)	87
Northants	Kettering (Sewage Works) ...	82	,,	Keswick (Derwent Island) ...	96
Bedford	Woburn (Experimental Farm)	77	Westmorland	Rydal (High Close)	96
Cambridge	Cambridge (Botanic Gardens)	89			
Essex ...	Halstead (The Brewery) ...	102		WALES	
Norfolk	Sprowston (Oak Lodge) ...	72	Glamorgan	Treherbert (Tyn-y-waun) ...	92
,, ...	Cromer (Howards Hill) ...	75	Carmarthen	Llanelly (Cwmlliedi) ...	97
,, ...	Thetford Waterworks ...	77	Pembroke	Pembroke (Stackpole Court)	118
Wiltshire	Larkhill (School of Artillery)	87	Montgomery	Welshpool (County School)	89
,, ...	Marlborough College ...	81	Denbigh	Wrexham (Pack Saddle Res.)	116
Dorset ...	Evershot (Melbury House) ...	100	,,	Llangynhafel (Plas Draw) ...	112
Devon S.	Plymouth (The Hoe) ...	102	Anglesey	Holyhead (Salt Island) ...	96
,, ...	Princetown (H.M. Prison) ...	97			
,, N.	Torrington (Hillside) ...	90		SCOTLAND	
Cornwall	Newquay (Mount Wise) ...	97	Kirkcudbright	Dalry (Glendarroch)... ...	99
,,	Falmouth (Observatory) ...	98	Dumfries	Langholm (Arkleton) ...	93
Somerset	Bath (Henrietta Park) ...	89	Roxburgh	Hawick (Wolfelee)	102
,,	Street (Millfield)	92	Selkirk ...	Ettrick Manse	94
,,	Milverton (Spring Grove) ...	90	Midlothian	Moorfoot Hills (Gladhouse R.)	107
Gloucester	Cheltenham (Montpellier Gdns)	81	,,	West Calder (Addiewell) ...	101
Hereford	Ross-on-Wye	99	Ayr ...	Kilmarnock (N. Craig Res.)	106
Shropshire	Shifnal (Hatton Grange) ...	95	Renfrew	Paisley W.W. (Back Th'lymuir)	113
Worcester	Stourport (Lincombe Lock)	88	Argyll ...	Corran Lighthouse	86
Warwick	Coventry (City Hospital) ...	82	,, ...	Mull of Kintyre	93
Lincoln	Spalding (Pode Hole) ...	80	,, ...	Loch Eck (Ben More) ...	93
,, ...	Cranwell (Airfield)	78	,, ...	Mull (Gruline)	85
,, ...	Revesby Reservoir	79	Perth ...	Glengyle	98
,, ...	Skellingthorpe Hall	78	,, ...	Perth (Wellshill Cemetery) ...	110
,, ...	Brigg (Wrawby Road) ...	81	Angus ...	Kirriemuir (Balnakeilly) ...	112
Nottingham	Nottingham (The Castle) ...	84	Aberdeen	Braemar (Bank)	107
Derby ...	Buxton (Terrace Slopes) ...	84	,, ...	Lumphanan	103
Cheshire	Northwich (Hunts Lock) ...	82	Banff ...	Banff	101
Lancs. S.	Garston (Grassendale Park)	93	Inverness	Inverness (Culduthel Res.) ...	96
,, C.	Wigan W.W. (Worthington)	87	Caithness	Thurso (Buckies)	79
,, N.	Morecambe	96			
Yorks W.R.	Sheffield (Weston Park) ...	100		NORTHERN IRELAND	
,,	Goole	97	Down ...	Newry (Bridge Street House)	101
,,	Huddersfield (Oakes) ...	125	,, ...	Waringstown (The Forge) ...	112
,,	Skipton (Chelker Reservoir)	114	Antrim ...	Belfast (Queen's University)	113
			Londonderry	Glenedra Lodge	103

* See also Table 8D, pp. 68-71.

11 Evaporation and Percolation in 1947

The *evaporation gauges* in use are square tanks sunk in the ground, and the evaporation measured is that from a free water surface. A description of the standard gauge and of the procedure followed in measuring evaporation appeared in *British Rainfall* 1939 and in earlier volumes.

The list of 13 stations given in Table 11B, for which details of evaporation are available for 1947, is the same as in 1946. A new record commenced at Rothamsted in August and a complete return should be available for 1948. The mean of the 13 records over the whole year was 17·18 inches which is nearly an inch more than the means in each of the three preceding years, 1944 to 1946. This high mean is due mainly to the evaporation in the hot, dry and sunny August. The mean for that month, 3·43 inches, exceeds that recorded in any other August back to 1901, though the August 1911 mean was very nearly as high, viz. 3·40 inches. Evaporation was well above average also in September 1947. It was rather deficient in March and did not differ much from average in the other nine months.

Evaporation tanks were frozen or covered by snow drifts from time to time during the notably severe wintry weather which persisted from late January to about mid-March. Most records of evaporation in this period are partly or wholly estimated but the estimates are unlikely to be seriously in error, as evaporation in the winter months is small.

Evaporation at Camden Square (London). The monthly evaporation values for the 54 years 1885–1938 were set out in Table XXVII of *British Rainfall* 1938. The record is the longest available in the country and the annual and monthly extremes are given in Table 11A.

In 1947 evaporation was largest in August with 3·94 inches, or 1·61 in. more than average. This broke the previous August record of 3·78 inches which has stood since 1899 and is the largest monthly value since June 1940. April, June and September 1947 all had evaporation totals which were appreciably in excess of their respective averages.

A new low record was set up in March when evaporation was only ·16 inch, or ·50 inch under the 1885–1919 average for that month. The least recorded in any March during the previous 82 years was ·30 inch in 1909 and 1916.

Percolation gauges. In Table 11C the amount of water percolating through a definite depth of soil is given. The list of stations is the same as for 1946. The difference between percolation and rainfall is largely to be accounted for by evaporation, but

Table 11A Evaporation at Camden Square (London)

	Jan.	*Feb.*	*Mar.*	*Apr.*	*May*	*June*	*July*	*Aug.*	*Sept.*	*Oct.*	*Nov.*	*Dec.*	*Year*
Average 1885–1919	·10	·25	·66	1·51	2·43	2·91	2·97	2·33	1·38	·62	·25	·09	15·50
					Monthly Extremes 1885–1947								
	Jan.	*Feb.*	*Mar.*	*Apr.*	*May*	*June*	*July*	*Aug.*	*Sept.*	*Oct.*	*Nov.*	*Dec.*	*Year*
Largest (in.)	·26	·64	1·22	2·34	3·25	4·00	4·60	3·94	2·38	·93	·43	·32	19·69
Year	1903	1895	1945	1912	1901	1940	1911	1947	1906	1934	1888 / 1945	1913	1921
Smallest (in.)	c·17	·01	·16	·85	1·56	1·70	1·44	1·56	·68	·28	·02	c·14	12·60
Year	1924	1893	1947	1920	1898	1909	1888	1941	1896	1940	1892	1897	1888

Table 11B Evaporation in 1947

List of Stations	County	Observer	Particulars of Tank			
			Height above		Side	Capacity
			Ground	Sea Level		
			ft. in.	ft.	ft. in.	Gals.
Camden Square	London 2	Royal Meteorological Society	0 3	111	6 0	450
Rye	Kent 1	Meteorological Office ...	0 3	12	6 0	450
Otterbourne	Hampshire 5	J. Hawksley, Esq.	0 3	112	6 0	450
Petersfield	,, ... 7	C. J. P. Cave, Esq.	0 3	747	4 0	250
Ormesby St. Michael ...	Norfolk 2	Gt. Yarmouth W.W. ...	0 3	21	6 0	450
Bartley	Warwickshire ... 4	C. A. Risbridger, Esq. ...	0 3	611	6 0	450
Revesby	Lincolnshire ... 3	D. H. Ball, Esq.	0 6	124	6 0	450
Southport	Central Lancashire ... 3	The Corporation	0 3	37	3 0	112
Ardsley Reservoir	Yorkshire W.R. ... 8	Wakefield Corpn. W.W. ...	0 3	392	6 0	450
Lower Laithe	,, ,, ... 9	Keighley Corpn. W.W. ...	0 6	772	6 0	450
Harrogate	,, ,, ... 11	D. G. Davies, Esq.	0 3	549	6 0	450
Talla Water	Peebles 1	Edinburgh W.W.	0 3	904	6 0	450
Amlaird Filters	Ayr 3	W. N. McCall, Esq.	0 4	590	†	650

1947	Camden Square	Rye	Otterbourne	Petersfield	Ormesby St. Michael	Bartley	Revesby	Southport
	in.	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*
January	c·11	·09	·16	·00	·25	·26	·50	·26
February	·13	·25	·20	·20	·25	·25	·38	·44
March	·16	·58	·50	·25	·50	·43	·60	·53
April	2·00	2·58	2·04	1·74	1·67	1·78	1·50	1·37
May	2·46	2·79	2·33	2·45	2·01	2·21	2·62	1·90
June	3·68	3·16	3·38	3·67	2·69	2·92	2·73	2·58
July	3·09	3·53	3·66	3·58	2·99	2·86	2·50	2·44
August	3·94	3·91	4·02	4·22	3·14	3·33	2·82	2·90
September	1·96	2·78	2·06	2·13	2·23	1·97	1·63	1·32
October	·91	1·66	1·02	1·06	1·27	1·01	·54	·43
November	·28	·41	·35	·22	·56	·46	·51	·36
December	c·03	·22	·22	·10	·54	·36	·19	·05
Year	18·47	21·96	19·94	19·62	18·10	17·84	16·52	14·58
Average, 1908-1942 ...	15·39	...	19·71	17·00	17·26	17·19	...	15·82
Difference	+3·08	...	+0·23	+2·62	+0·84	+0·65	...	−1·24

1947	Ardsley Res.	Lower Laithe	Harrogate	Talla Water	Amlaird Filters	Mean of 12 or 13 records	Average 1908-1942
	in.	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*
January	·14	c·28	·23	...	·07	·13	·14
February	·20	·20	·25	...	·20	·25	·29
March	·25	·25	·23	...	·21	·37	·79
April	1·38	1·87	2·17	·87	·64	1·66	1·62
May...	2·45	2·09	2·92	1·77	1·17	2·24	2·53
June...	2·64	2·68	2·74	1·95	1·53	2·80	3·07
July	2·59	2·24	3·33	2·07	1·93	2·83	2·98
August	3·07	3·24	3·13	3·18	3·64	3·43	2·44
September	2·08	1·92	2·37	1·00	1·75	1·94	1·59
October	·90	·61	·87	·35	·56	·86	·84
November	·50	·17	·92	...	·87	·48	·34
December	·46	c·03	·28	...	c·10	·19	·15
Year	16·66	14·96	19·44	...	12·47	17·18	16·78
Average, 1908-1942	17·59	15·10	19·53	...	...	...	...
Difference	−0·93	−0·14	−0·09	...	...	+0·40	...

NOTE: In the Table "c" indicates an excess of condensation over evaporation. † 6ft. × 4 ft.

evaporation as determined in this way (known as " calculated evaporation ") is not strictly comparable with that given in Table 11B. There is no free water surface present in the percolation gauge, and during dry periods the surface soil is nearly dry, so that practically no evaporation can take place. In dry years the calculated evaporation, as obtained from the percolation gauges, will be less than similar values for wet years, and less than the values obtained from the water surface in a tank. In 1947 the mean " calculated evaporation " from the 13 percolation gauges was 16·75 inches compared with the mean loss from the 13 evaporation tanks of 17·18 inches.

The " calculated evaporation " is 2·23 inches less than the corresponding value for 1946. It reflects the relative dryness of the summer and early autumn of 1947 in which period little or no percolation took place. A feature which is brought out in Table 11C is the remarkably large percolation values in March due to the heavy rainfall.

At *Farlington* there was practically no percolation through the 36 and 48 inch gauges after April. At *Rothamsted* there was no percolation from July 21 to December 3. At *Fleam Dyke* percolation for the year was under 6½ inches. Both gauges dried out in April and only the bare soil gauge showed percolation again before the close of the year. As in 1946, *Harrogate,* with 17·48 inches percolation, had the highest total of the 13 records available. At *Craibstone* the three gauges were again under grass and all recorded about 11 inches. Percolation in March actually exceeded the rainfall of that month.

Drainage Gauges at Prescot (Liverpool) and at Lake Vyrnwy. Two seepage gauges were installed at Prescot and observations began there in January 1943. Each gauge consists of an undisturbed column of soil from ancient parkland, 11 inches in depth, encased by a cast iron cylinder. The column of soil is supported by fine woven wire mesh on a funnel-shaped impervious concrete base through which a vertical lead pipe leads to a glass collecting vessel in a chamber underneath. The whole gauge is sealed to prevent water other than rainfall gaining ingress, while the lip of the containing cylinder is one inch above the surface. The area of the receiving surface of the gauge is precisely ten times the area of the receiving surface of a 5-inch rain-gauge; the water seeping through and collected in the glass vessel is measured daily by using the certified rain-gauge measure. The rainfall is measured in a rain-gauge alongside.

The gauges are situated in an open field and their surfaces are level with the surrounding ground. In one gauge the soil is bare and kept weeded, while in the other the original growth of grass remains and this is kept cut to two inches.

At Lake Vyrnwy are two seepage gauges similar to those at Prescot. The productive soil on the field in which the Experimental Station is situated is about 9 inches thick and has been under grass. In one gauge the grass was left, while in the second the plant life was burnt off and the soil is bare and weeded.

Seepage–Percolation Gauges at Lake Vyrnwy. The object of seepage-percolation gauges is, by reproducing on a small scale the conditions that are inferred to occur on a large self-contained drainage basin, to measure the water which has seeped through the upper soil down to a zone of saturation and then flowed to a point of discharge as a spring.

A gauge consists of two stages, a seepage zone and a percolation zone. The seepage zone is similar to the grassed seepage gauge. The drainage from the seepage column is led to the base of a cylinder 6 ft. deep in which it percolates through a rock core overlain by soil; thence the effluent flows out through a pipe fixed just below the soil surface. The rock placed in the cylinder is chalk, as in the Farlington, Hants, gauges. The outflow pipe

Table 11c Rainfall, Percolation and Calculated Evaporation in 1947

(Unless otherwise stated, the size of the percolation gauges is 3 ft. × 3 ft. × 3 ft.)

1947	Farlington, Hants Gauges 36-inch diameter						Rothamsted, Herts. 1/1000 acre gauges			Fleam Dyke, Cambs. 1/1000 acre gauges			Harrogate, Yorks.		Craibstone, Aberdeen 1/1000 acre gauges			
		Percolation						Percolation*			Percolation					Percolation Gauges under grass		
	Rainfall	24″ Chalky Marl**	36″ Chalky Marl**	48″ Chalky Marl**	36″ Sand ‖	36″ Chalk ‖	Rainfall†	20″ Soil	60″ Soil	Rainfall	36″* Chalk	36″‡ Chalk	Rainfall	Percolation	Rainfall	1†† 40″ Soil	2‡‡ 40″ Soil	3‖‖ 40″ Soil
	in.	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*
January... ...	3·28	2·45	2·49	2·60	2·61	2·68	1·63	1·50	1·64	1·53	1·28	1·39	2·24	2·13	6·37	2·49	2·51	2·46
February ...	2·31	2·27	2·55	2·18	2·13	2·05	1·60	·02	·13	1·50	·27	·59	3·09	·01	3·09	·22	·23	·23
March	6·74	5·99	5·73	5·46	5·55	5·43	5·22	4·47	4·39	3·94	3·11	3·72	7·00	4·90	4·73	4·81	4·90	5·69
April	1·81	·93	·94	1·10	1·17	1·12	2·11	·65	·69	1·51	·59	·66	3·33	1·76	2·35	·64	·77	·73
May	1·29	·02	·01	·02	·02	·01	1·14	·23	·22	·52	—	—	4·06	2·54	3·85	·93	·98	·62
June	1·69	·01	·01	·01	—	—	2·39	·25	·20	2·42	—	—	3·41	1·29	1·56	—	—	—
July	2·26	·03	—	—	—	—	1·53	·18	·15	1·74	—	—	3·96	1·71	1·34	—	—	—
August	·82	—	—	—	—	—	·07	—	—	·30	—	—	·93	·07	—	—	—	—
September ...	1·53	—	—	—	—	—	1·35	—	—	1·04	—	—	1·91	·06	2·32	·01	—	—
October... ...	1·53	·03	—	—	—	—	·04	—	—	·23	—	—	1·07	·01	2·65	·22	·22	·22
November ...	1·65	—	—	—	—	—	1·09	—	—	1·24	—	—	3·00	1·09	3·64	·77	·77	·78
December ...	3·26	2·32	—	—	—	—	2·96	2·35	2·05	2·55	1·22	—	2·55	1·91	2·64	·65	·66	·67
Year	28·17	14·05	11·73	11·37	11·48	11·29	21·13	9·65	9·47	18·52	6·47	6·36	36·55	17·48	34·54	10·74	11·04	11·40
Calculated Evaporation	...	14·12	16·44	16·80	16·69	16·88	...	11·48	11·66	...	12·05	12·16	...	19·07	...	23·82	23·50	23·14

† Values obtained from 8 inch gauge.
* Through bare unworked soil.
** Depths include 12 in. of top soil and turf.
‖ Depths include 6 in. of top soil and turf.
†† Unmanured. ‡‡ Manured. ‖‖ Manured and Limed.
‡ Through turfed soil.

represents a spring. The surface of the percolation column is below the bottom of the seepage column. The ultimate run-off is collected in a glass vessel in a chamber and measured daily. As the area of the combined exposed surfaces is a multiple of the receiving surface of a Meteorological Office raingauge, the certified measure of the adjacent raingauge is used for run-off measurement.

The 1947 data, supplied by the Engineer, Liverpool Corporation Water Works, are set out in Table 11D.

Table 11D Drainage Observations in 1947

1947	Prescot, Lancashire			Lake Vyrnwy, Montgomery				
	Rainfall	Seepage* Gauges		Rainfall	Seepage* Gauges		Percolation† Gauges	
		Bare Soil	Turfed Soil		No. 1 Bare Soil	No. 2 Turfed Soil	No. 3 Grass covered over chalk	No. 4 Grass covered over chalk
	in.	in.	in.	in.	in.	in.	in.	in.
January	2·35	2·11	2·12	5·85	5·47	5·34	5·59	5·62
February	·75	·01	trace	2·56	·00	·00	·00	·00
March	5·24	4·45	4·41	12·58	11·76	12·16	12·19	(12·19)
April	2·75	1·36	1·39	7·04	5·21	5·50	5·56	5·52
May	2·89	·07	·57	3·97	1·92	2·12	2·10	2·09
June	2·07	·16	trace	3·28	1·30	1·25	1·33	1·39
July	2·70	·10	·07	3·62	1·62	1·70	1·82	1·77
August	·37	trace	trace	·62	·10	·03	·03	·05
September	2·86	·44	·72	3·10	1·23	·41	·40	·31
October	·76	·01	·01	1·61	·81	·79	·77	·74
November	4·02	2·85	2·21	10·95	10·29	10·41	10·33	10·35
December	3·42	3·11	2·75	7·38	6·35	6·65	6·69	6·72
Year	30·18	14·67	14·25	62·56	45·06	46·36	46·81	46·75
Calculated Evaporation ..	..	15·51	15·93	..	17·50	16·02	15·75	15·81

* The receiving surface of the Seepage gauge is ten times the receiving surface of a 5-inch diameter rain-gauge.

† The receiving surface of the Percolation gauge is thirteen times the receiving surface of a 5-inch diameter rain-gauge.

M.O. 517a.

METEOROLOGICAL OFFICE, AIR MINISTRY

BRITISH RAINFALL ORGANIZATION

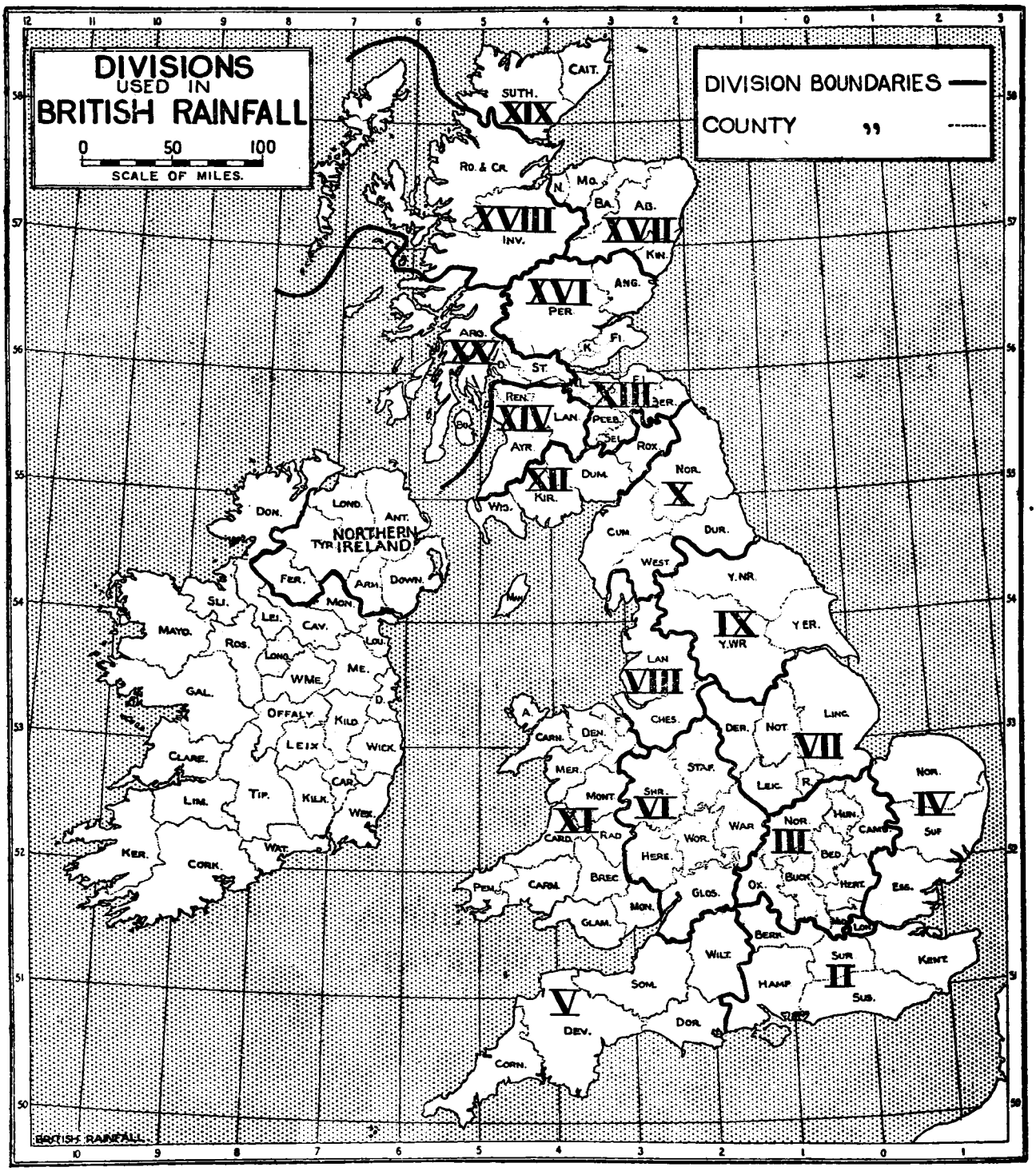
BRITISH RAINFALL, 1947

PART II

General Table of

TOTAL RAINFALL IN 1947

AT STATIONS IN GREAT BRITAIN AND NORTHERN IRELAND WITH THE NAMES OF THE OBSERVERS OR OTHER AUTHORITIES FOR THE OBSERVATIONS


DIVISIONS
USED IN
BRITISH RAINFALL
0 50 100
SCALE OF MILES.
DIVISION BOUNDARIES
COUNTY
XIX
XVIII
XVII
XVI
XX
XIII
XIV
XII
X
IX
VIII
VII
VI
XI
IV
III
II
V
CAIT.
SUTH.
Ro. & Cr.
N.
Mo.
Ba.
Ab.
INV.
Kin.
ANG.
PER.
ARG.
K.
Fi.
ST.
REN.
BER.
LAN.
PEEB.
SEL.
AYR.
ROX.
DUM.
KIR.
WIG.
NOR.
CUM.
DUR.
WEST
Y.NR.
Y.WR
YER.
LOND.
ANT.
DON.
NORTHERN
TYR.
IRELAND
FER.
ARM.
DOWN.
MON.
SLI.
LEI.
CAV.
LOU.
MAYO.
ROS.
LONG.
WME.
ME.
GAL.
OFFALY
KILD.
WICK.
LEIX.
CLARE.
CAR.
TIP.
KILK.
LIM.
WEX.
KER.
WAT.
CORK.
LINC.
NOT.
DER.
CHES.
CARN.
DEN.
A.
MER.
STAF.
LEIC.
R.
MONT.
SHR.
NOR.
HUN.
CAM.
SUF.
CARD.
RAD.
WOR.
WAR.
HERE.
BED.
BUCK.
HERT.
ESS.
OX.
BREC.
PEM.
CARM.
GLOS.
MON.
GLAM.
BERK.
LON.
WILT.
SUR.
KENT.
SOM.
HAMP.
SUS.
DOR.
DEV.
CORN.
BRITISH RAINFALL

General Table of Total Rainfall in 1947

EXPLANATORY NOTE

The Divisions of Great Britain in the General Table are the same as those adopted by the Registrars-General of England and Scotland. They are shown on the map facing this page.

The counties are divided up into numbered areas, corresponding to the river-basins. An account of these river-divisions for England and Wales was given in a special article in Part I of *British Rainfall*, 1910 (pp. 37–66), and a similar article on the river-divisions of Scotland and Ireland appeared in Part I of *British Rainfall*, 1911 (pp. 40–72), with detailed maps showing all the river-divisions in each Division. Lists were also included showing the various river-divisions in each of the main catchment areas over the British Isles. The areas of the river basins of the Great Ouse and tributaries in Norfolk and Cambridge were redetermined in 1928; the values printed in this volume and in the volume for 1927 differ slightly from those published in *British Rainfall* from 1910 to 1926. The sequence of river divisions in Great Britain proceeds anti-clockwise from the Solway Firth. For example, in the West Riding of Yorkshire we have four divisions for rivers flowing to the Irish Sea, followed by eight divisions for rivers tributary to the Humber.

The stations in each river-division are arranged nearly in the order of their latitude from South to North. For convenience, the first name defining a station is that of a place which can be found on any large scale map; occasionally it is in an adjoining county. The second name is added to fix the site of observation more closely, *e.g.*, "Godalming (Burgate)" means Burgate, near Godalming.

An index of River Basins, indicating the various river divisions in each county included in the main river basins of the British Isles, was included after this Explanatory Note in *British Rainfall*, 1937 and 1938.

Stations the names of which are printed in small capitals, *e.g.*, KENSINGTON PALACE, are climatological stations in association with the Meteorological Office.* For the majority of these a summary of the climatological observations is printed in the *Monthly Weather Report*.

In some cases the records have been received from a local rainfall organization. This has been indicated by a footnote.

The letter D signifies that daily observations have been received and are complete for the year; d, that less complete daily records have been received; w indicates that weekly readings have been received, and M that the gauge is read only once a month, usually on the 1st.

(R) denotes that the gauge is a mechanical one the correct reading of which depends on the mechanism being in working order.

The use of mechanical gauges for measuring the total rainfall is not recommended by the Meteorological Office and the number of records marked (R) is therefore small.

* In the case of Division I small capitals are also used to indicate the names of London Boroughs.

(+A) denotes that the amount of rainfall is taken from an ordinary gauge but that the equipment also includes an autographic instrument.

Gauges which have been inspected and found to be over-exposed on moorland have been so marked. It is likely that there are other gauges (notably some of those at lighthouses) which are also over-exposed.

A column giving the annual average rainfall expressed to the nearest tenth of an inch has been included since 1926. The averages are printed in ordinary type if they are either the mean of the annual values for the standard period 1881 to 1915, or, in the case of shorter records, if they have been reduced by the accepted method to the standard period. In such cases all the available information has been used in the computation of the averages, means for stations with short records being weighted to the standard period 1881 to 1915 by comparison with nearby stations with records complete from 1881 to date. If the computation has been made outside the office the average is printed in italics, since it may subsequently be revised slightly. The average is also given in italics if it is the mean for twenty or more years other than the standard period or if the mean has been weighted to some other period. Averages for the standard period of 35 years 1881 to 1915, are always preferred for entry in the table. Many of the averages printed in italics were computed by the late Mr. H. P. Cornish of Keswick and these are weighted to the standard period 1881 to 1915.

A few entries of total rain will be found in brackets—indicating that the values have been corrected, *e.g.*, when appreciable snow has been lost, when the amount for a short period has been computed from other records, or when the gauge has been moved a short distance during the year. A record is not as a rule printed if the gauge has been moved more than a mile, or if there is a greater difference than 50 ft. of altitude between the two positions.

A note of interrogation(?) implies doubt, not necessarily error. The absence of information is indicated by ...

COUNTY INDEX TO GENERAL TABLE

ENGLAND

Bedford 113	Hereford 132	Oxford 110
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England and Wales

DIVISION I—LONDON (Area 117 sq. mi.)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	1.—THAMES. Right Bank Tributaries. 67 sq. mi.			*in.*	*ft.*	*ft.*	*in.*	*in.*		
	BERMONDSEY									
D	Southwark Park		London County Council	5	1	9	24·4	18·76	121	93
	LAMBETH									
D	Brockwell Park	(+A)	London County Council	5	1	144	23·8	19·19	131	105
D	Brixton Hill Reservoir		Met. Water Board	5	1	121	23·9	20·03	135	98
	BATTERSEA									
D	Battersea Park		London County Council	5	1	13	23·2	20·18	132	95
	WANDSWORTH									
D	Streatham (Conyers Road)		Met. Water Board	5	1	119	23·3	19·47	125	102
D	Streatham (Woodbourne Avenue)		G. E. Patston, Esq.	5	1	130	...	20·45	155	105
D	Streatham Hill Reservoir		Met. Water Board	5	1	205	23·3	21·00	133	98
D	Putney Heath Reservoir	(+A)	Met. Water Board	5	1	179	...	21·20	151	106
D	Streatham (Furzedown Rec. Grd.)		H. W. Tee, Esq., C.E.	5	1	89	24·7	20·28	145	103
D	Southfields (Coronation Gds.)		H. W. Tee, Esq., C.E.	5	1	37	23·6	20·89	146	103
	CAMBERWELL									
D	Nunhead (Nunhead Reservoir)		Met. Water Board	5	1	175	...	18·04	124	92
	DEPTFORD									
D	Telegraph Hill		London County Council	5	1	155	...	18·57	142	104
D	Waterworks		Met. Water Board	5	1	20	23·0	18·46	111	95
	GREENWICH									
D	Deptford Pumping Station	(+A)	London County Council	8	2	8	13	22·4	17·29	120	93
D	ROYAL OBSERVATORY		The Astronomer Royal	8	0	5	149	23·5	20·48	142	99
	CATFORD									
D	Catford Hill (Exbury Road)		Rev. T. R. Price, M.A.	8	1	3	66	...	18·52	124	100
	LEWISHAM									
D	Forest Hill Reservoir	(+A)	Met. Water Board	5	1	0	339	...	19·04	119	98
	WOOLWICH									
D	§Eltham (High Street)	(+A)	Met. Water Board	5	1	0	245	23·2	20·92	112	93
	2.—THAMES. Left Bank Tributaries. 50 sq. mi.									
	KENSINGTON									
D	Holland House		Mr. P. B. Rintoul	5	1	0	68	23·9	20·48	119	94
D	Campden Hill Reservoir		Met. Water Board	5	1	0	145	24·5	19·46	114	94
D	KENSINGTON PALACE	(+A)	H.M.O.W. (M.O.)	8	1	0	80	24·2	21·17	138	97
	HAMMERSMITH										
D	Pumping Station		London County Council	5	6	0	19	23·2	19·42	135	92
	FULHAM										
D	Bishops Park	(+A)	Borough Engineer	5	1	4	15	22·6	19·66	128	102
	CHELSEA										
D	Physic Garden		G. S. Boon, Esq.	8	1	0	20	23·4	19·95	120	93
	WESTMINSTER										
D	Western Pumping Station	(+A)	London County Council	8	1	9	16	...	18·97	118	90
D	Buckingham Palace		Mr. A. J. Cole	5	8	0	35	23·5	23·17	133	104
D	ST. JAMES'S PARK	(+A)	H.M.O.W.(M.O.)	8	1	0	27	23·2	19·25	146	96
	ST. MARYLEBONE										
D	REGENT'S PARK		H.M.O.W. (M.O.)	5	1	0	129	...	19·86	121	92
	HAMPSTEAD										
D	Kidderpore Reservoir		Met. Water Board	5	1	0	328	...	21·22	140	109
D	OBSERVATORY	(+A)	Hampstead Scientific Society (E. L. Hawke, Esq., M.A.)	8	1	0	450	...	21·92	157	105
D	Golders Hill Park		London County Council	5	1	0	350	26·2	22·96	145	112

§ Turf wall round gauge.

DIVISION I—LONDON—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	2.—THAMES. Left Bank Tributaries—(*contd.*).			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	ST. PANCRAS									
D	CAMDEN SQUARE	(+A)	Royal Meteorological Soc.	5	1 0	110	24·5	20·97	140	96
	STOKE NEWINGTON									
D	New River Filter Beds		Met. Water Board	5	1 0	101	23·1	19·59	123	93
D	New River Reservoirs (Lordship Rd.)	(+A)	Met. Water Board	5	1 0	105	23·5	19·58	129	94
	HACKNEY									
D	Clapton Pond	(+A)	Borough Engineer	5	1 0	68	22·8	21·11	137	93
	FINSBURY									
D	New River Head	(+A)	Met. Water Board	5	1 0	95	...	19·56	130	90
	BETHNAL GREEN									
d	Victoria Park		London County Council ...	5	1 0	43	23·1	22·85	...	87
	POPLAR									
D	Isle of Dogs (Island Gardens)... ...		London County Council ...	5	1 0	18	21·9	17·82	131	94
D	Old Ford Pumping Station		Met. Water Board	8	0 9	19	22·9	19·65	134	90
d	Old Ford (Penstock House)		London County Council ...	8	0 10	39	22·4	19·17	...	86
	WOOLWICH									
d	Barking Outfall		London County Council ...	5	0 10	24	20·8	(18·96)	...	...

DIVISION II—SOUTH-EASTERN COUNTIES

SURREY. (Area, 725 sq. mi.)

1.—ARUN. 45 sq. mi.

D	Chiddingfold (Chiddingfold Ho.) ...		L. J. E. Hooper, Esq. ...	5	0 9	200	*31·0*	26·06	137	106
d	Godalming (Burgate)		Major J. Godman	5	1 1	320	...	23·11	...	87

2.—MEDWAY. 50 sq. mi.

D	East Grinstead (Lockeridge)		Lt. Col. J. F. Forbes, D.S.O.	5	1 0	320	*31·6*	24·71	137	114
D	Dormans Park (Chartham Park) ...		I. D. Margary, Esq. ...	5	1 0	270	*31·2*	25·61	154	118
D	Dormans Park (Hill Crest)		Dr. H. R. Mill	5	1 0	320	*32·1*	29·74	177	132
D	Dormans Park (Yew Lodge)		Mrs. I. D. Margary ...	5	1 0	260	*30·6*	26·53	157	118
D	Lingfield (Sewage Works) ...	(+A)	Godstone R.D.C.*	5	1 0	155	...	23·11	137	101
D	Limpsfield (Red Lane Farm)		Capt. B. Crewdson ...	5	1 0	281	...	23·92	164	107
	Limpsfield (Kent Hatch Res.) ...		East Surrey Water Co. ...	5	1 0	664	...	28·61	...	...
D	Godstone		C. J. Salter, Esq.	5	1 6	400	30·7	27·08	181	125

3.—THAMES. Darent. 22 sq. mi.

D	Westwood (Pumping Station) ...		East Surrey Water Co. ...	5	1 0	418	28·5	28·30	149	129
D	Farleigh (Croydon Mental Hosp.) ...		Croydon Corporation ...	8	1 0	100	32·0	23·53	141	116
D	Addington (Hares Bank Pump. Stn.)...		Croydon Corporation ...	8	1 0	331	28·4	24·19	147	109
D	ADDINGTON HILLS RESERVOIR ...		Croydon Corporation ...	8	1 0	472	27·9	24·21	152	107
d	Addington (Golf Club)		Secretary	5	1 2	380	...	22·94	...	...

4.—THAMES. Wandle. 71 sq. mi.

D	Kingswood (Margery Hall Res.) ...		Sutton District Water Co.	5	1 0	691	30·2	24·70	169	118
	Woldingham Reservoir		East Surrey Water Co. ...	5	1 0	841	32·9	27·08	...	...
D	Caterham Reservoir		East Surrey Water Co. ...	5	1 0	704	32·5	26·05	165	123
D	Caterham (Alderstead Hth.) ...	(+A)	Coulsdon & Purley U.D.C.*	5	1 0	577	...	26·03	162	120
D	Chelsham & Woldingham W.W. ...		East Surrey Water Co. ...	5	1 0	478	32·5	25·42	156	120
D	Caterham (White Knobs Way) ...		Miss V. K. Isaac	5	1 0	500	...	25·93	158	124
D	Banstead (Burgh Heath Res.) ...		Sutton District Water Co.	5	1 0	582	30·8	22·86	148	108
D	Chipstead (How Green Res.)		Sutton District Water Co.	5	1 0	528	31·1	24·79	164	107
D	Coulsdon (The Vale)		H. E. W. Hollobone, Esq.	5	1 6	318	...	23·66	135	110
d	Kenley (Refuse Disposal Works) ...		Surveyor	5	1 0	290	*29·7*	24·95	...	...

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with .01 in. or more	Days with .04 in. or more
	SURREY—(*contd.*).			*in.*	*ft.*	*ft.*	*in.*	*in.*		
	4.—THAMES. Wandle—(*contd.*).									
D	Kenley (Pumping Station)		East Surrey Water Co.	5	1 0	275	29·0	22·97	153	108
D	Coulsdon (Coulsdon Rise)		C. Knight, Esq.	5	0 6	350	30·4	23·22	164	111
D	Woodcote Park Golf Club	(+A)	Coulsdon & Purley U.D.C.*	5	1 0	450	...	21·94	147	112
D	Banstead Mental Hospital		J. Campbell, Esq.	5	4 8	410	...	22·12	140	104
D	Purley (Selcroft Road)		E. W. Finch, Esq.	5	1 0	400	28·7	21·71	156	99
D	Purley (Woodcote Valley Road)		C. Stuart Bailey, Esq.	5	1 0	310	29·5	22·73	157	103
D	Purley (Pumping Station)		East Surrey Water Co.	5	1 0	214	29·3	22·01	140	104
D	Sanderstead (Beechwood Road)		G. M. Davies, Esq.	5	1 0	320	...	23·73	157	107
D	CROYDON (Airport)	(+A)	Meteorological Office	8	1 0	217	26·7	21·21	145	95
D	Croydon (Croham Valley Road)		Mrs. F. A. Reynolds	5	1 0	350	...	23·97	147	111
D	Carshalton (Pumping Station)		Surveyor, U.D.C.	5	1 0	83	25·9	20·53	135	103
D	Beddington (Sewage Farm)		Croydon Corporation	5	1 0	129	24·5	17·18?	134	97
D	Beddington Park	(+A)	Borough Council*	5	1 0	108	...	19·87	131	102
D	Croydon (Northampton Road)		Mrs. Higgins	5	1 0	210	26·9	21·11	136	99
d	Beddington Corner (Millgreen Rd.)		Messrs. G. Miller & Son	5	1 3	77	...	20·30	...	...
D	Mitcham (London Road)	(+A)	Mitcham Borough Council*	5	0 11	62	...	18·64	132	101
D	Wimbledon (Durnsford Rd.)	(+A)	T. Webster, Esq., C.E.*	5	1 0	58	...	17·84	128	88
	5.—THAMES. Mole & c. 229 sq. mi.									
D	Horley (Cranleigh)		W. W. Hughes-D'Aeth, Esq.	5	0 9	230	...	23·15	137	102
D	Horley (Langshott)		Dr. B. Jackson Taylor	5	1 6	200	...	24·31	(136)	(115)
D	Dorking (Bramerton)		Rev. Jas. F. Twist	5	1 0	300	32·1	26·95	142	109
D	Ranmore (Denbies)		Mr. S. C. Westbrook	5	1 0	620	...	27·77	151	112
D	Dorking (Pixham Lane S. Wks.)	(+A)	Dorking U.D.C.*	5	1 0	138	29·8	24·73	155	108
D	Earlswood (Sewage Farm)	(+A)	G. G. Sanderson, Esq., C.E.*	5	1 6	196	27·2	22·45	149	104
D	Redhill (London Road)		East Surrey Water Co.	5	1 0	270	28·4	24·24	162	119
D	Reigate (Wray Park Road)		W. J. MacAndrew, Esq.	5	1 0	330	29·8	23·97	158	116
D	Reigate (Castle Grounds)		G. G. Sanderson, Esq., C.E.	5	1 6	326	29·3	24·12	141	115
D	Bletchingley (South Park Farm)		Major U. H. Lambert	5	1 0	340	28·7	22·43	137	108
D	Merstham (Gatton Point)		C. F. Bull, Esq.	5	1 0	300	29·2	24·56	170	124
	Effingham		East Surrey Water Co.	5	1 0	363	29·3	24·65?	...	...
D	Headley Reservoir		East Surrey Water Co.	5	1 0	629	*32·0*	25·67	161	118
D	Merstham (Merstham Lodge)		J. F. E. Goad, Esq.	5	0 11	500	...	26·05	188	127
D	Headley (The Hurst)		Mrs. Lyall	5	1 0	420	30·6	24·77	160	118
d	Walton-on-the-Hill		Mr. H. W. Hawkes	5	1 0	600	30·4	23·80	...	104
D	Leatherhead (Elmer Softening Wks.)		East Surrey Water Co.	5	1 0	168	...	24·79	152	103
d	Leatherhead (Tyrrells Wood)		E. H. Cutbill, Esq.	5	0 7	410	...	25·11	...	...
D	Tadworth		C. H. L. Blaxland, Esq.	5	1 4	500	*31·7*	24·55	152	121
D	Tadworth (Pumping Station)		Banstead U.D.C.	5	1 0	405	...	23·90	163	104
D	Ashtead (Park Lane)		G. R. Crompton, Esq.	8	1 0	318	...	23·59	163	105
D	Leatherhead (Sewage Works)	(+A)	F. J. Southam, Esq.*	5	1 0	104	...	22·26	139	98
D	Epsom (Downs Road)		T. N. Young. Esq.	5	1 0	400	...	21·93	146	101
d	Cobham (Towngate)		E. Boughton, Esq.	5	1 0	165	...	21·93	...	103
D	Cobham (Sewage Works)		Esher U.D.C.	8	1 6	71	...	21·05	146	101
D	Banstead Grange		Mrs. Powell	5	0 10	390	...	24·93	152	121
D	Epsom (Sewage Farm)		Surveyor*	8	1 0	125	...	21·97	148	102
D	Epsom (Water Works)		T. N. Young, Esq.	5	1 0	150	...	21·32	144	97
D	Whiteley Village		Whiteley Homes Trust	8	3 4	195	24·3	22·54	166	109
D	Cobham (Uplands)		R. S. Morrish, Esq.	5	0 8	180	...	21·66	143	107
D	Epsom (Long Grove House)		Dr. F. G. L. Barnes	5	1 0	130	...	20·36	148	106
	Claygate (Claygate House)		Mrs. F. Parkhurst	5	0 7	100	...	18·57	...	...
D	Claygate (Hertslets)		N. C. Armitage, Esq.	5	1 0	106	23·8	18·61	157	101
D	Sutton (Waterworks)		Sutton District Water Co.	5	1 0	161	25·4	20·28	131	100
D	Sutton (Sewage Works)	(+A)	N. H. Michell, Esq., C.E.*	5	1 0	99	24·7	20·15	139	101
D	Epsom (Ruxley Lane S. Wks.)	(+A)	Surveyor*	5	1 6	76	...	19·65	134	96

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	SURREY—(*contd.*).			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—THAMES. Mole & c.—(*contd.*).									
D	Weybridge (Weyland S. Wks.)	(+A)	Walton&WeybridgeU.D.C.*	5	1 0	50	...	19·22	135	101
D	Walton-on-Thames (Studland Lodge)		Capt. R. F. Wood-Smith ...	8	1 0	45	...	20·10	142	105
D	Esher (Sewage Works)		Esher U.D.C.	5	2 0	44	...	19·38	130	103
D	Worcester Park (Sewage Wks.)	(+A)	N. H. Michell, Esq., C.E.*	5	1 0	68	24·4	19·19	135	100
D	Old Malden (Sports Ground)	(+A)	Malden & Coombe B.C.*...	5	0 8	64	...	19·68	128	99
D	Morden Hall	(+A)	R. W. North, Esq., C.E.* ...	5	1 2	117	...	20·23	135	97
D	Surbiton (Seething Wells)		Met. Water Board	5	0 10	34	24·5	21·93	139	110
D	Surbiton (Sewage Disp. Wks.)	(+A)	Borough Engineer	5	1 0	51	...	19·11	132	101
D	West Molesey (Walton Works) ...		Met. Water Board	5	1 0	35	23·1	20·94	139	100
D	New Malden (Sewage Wks.) ...	(+A)	Malden & Coombe B.C.* ...	5	0 10	51	22·8	19·12	140	106
D	Wimbledon (Spencer Hill)		Norman S. Gardiner, Esq.	5	1 0	80	...	19·82	125	97
D	New Malden (High Drive)		Mrs. Ben. G. Brame ...	5	1 0	60	*24·1*	19·97	139	98
D	New Malden (Orchard Avenue) ...		A. C. Josling, Esq.	5	1 0	50	...	20·90	158	114
D	Kingston Sewage Works ...	(+A)	P. G. Lloyd, Esq.,*... ...	5	1 8	25	22·7	19·33	129	102
D	Merton Park (Mostyn Road) ...		A. T. Bench, Esq.	5	1 0	55	...	20·48	149	102
D	Merton Park (Innes Hort. Inst.) ...		Garden Superintendent ...	5	1 0	55	*23·6*	19·02	122	99
D	Merton (Joseph Hood Rec. Gd.) ...		R. W. North, Esq., C.E. ...	5	1 0	48	*23·5*	19·51	135	107
D	Raynes Park (Cottenham Park P.S.) ...		T. Webster, Esq., C.E.* ...	5	1 0	50	*23·8*	19·29	134	98
D	Wimbledon (West Side)		E. K. Wilson, Esq. ...	5	1 0	160	*24·4*	20·00	123	106
D	New Malden (Kingston Vale)	(+A)	Malden & Coombe B.C.* ...	5	1 1	47	...	19·78	143	110
D	Richmond (Terrace Gardens) ...		G. Humphreys, Esq. ...	5	1 3	29	*23·5*	20·50	136	105
D	East Sheen Cemetery	(+A)	Barnes Corporation* ...	5	0 10	88	...	19·77	131	106
D	KEW OBSERVATORY	(+A)	Meteorological Office ...	8	1 0	18	23·8	19·89	150	100
D	Kew (Royal Botanic Gardens) ...		Director	8	0 8	18	23·4	20·37	147	104
D	Barnes (Barn Elms)		Met. Water Board ...	5	1 0	16	22·9	20·27	136	98
	6.—THAMES. Wey. 236 sq. mi.									
D	Shottermill (Sewage Works) ...	(+A)	Surveyor*	5	1 7	381	*35·2*	27·36	176	115
D	Haslemere (Church Hill)		T. M. Shewell, Esq. ...	5	1 0	520	...	28·47	150	124
D	Hindhead Waterworks		Wey Valley Water Co. ...	5	1 0	839	*34·5*	30·06	176	126
D	Oakwood Hill (Honeywood House) ...		The Lady Tredegar ...	5	1 0	225	*29·2*	24·98	157	110
D	Churt (Firdown)		W. E. Livock, Esq. ...	5	1 0	490	...	27·13	142	116
D	Hambledon (Chart Cottage)		M. Brodie Hoare, Esq. ...	5	1 0	300	...	25·17	126	113
d	Cranleigh (Lambswood)		Cranleigh Water Co. ...	5	0 10	300	...	25·88	...	112
D	Hascombe Place		C. T. Musgrave, Esq. ...	5	1 0	361	31·7	23·71	140	109
D	Hascombe Court		Sir John Jarvis, Bt. ...	5	1 0	420	*32·0*	24·97	142	106
D	Hascombe (Winkworth Hanger) ...		J. H. Wenham, Esq. ...	5	1 0	430	...	23·23	141	101
D	Witley (King George V Sanatorium) ...		Dr. J. Watt	5	1 0	305	*30·7*	25·87	148	117
D	Ewhurst (Woolpit)		L. J. E. Hooper, Esq. ...	5	1 0	600	*32·3*	28·12	152	114
D	Frensham (Spreakley Hollow) ...		A. R. Crossley, Esq. ...	5	1 0	200	*29·9*	25·35	142	107
D	Milford (Manor Wood)		G. S. Unwin, Esq.	5	1 0	200	...	22·33	136	406
D	Godalming (Munstead Heath) ...		Mrs. M. M. Hodsoll ...	5	1 0	550	*30·3*	23·85	130	102
D	Godalming (Ockford P.S.)		Engineer and Manager ...	8	1 0	152	...	23·27	134	103
D	Godalming (Kingscote)		Rev. F. P. Synge	5	2 0	280	...	21·94	162	106
D	Godalming (Borough Road P.S.) ...		Engineer and Manager ...	8	1 0	120	*28·7*	22·59	135	107
D	Godalming (Chalk Road)		Rev. W. Havard-Jones ...	5	0 9	150	*28·6*	22·40	152	108
D	Godalming (Charterhouse)		O. H. Latter, Esq.	5	1 0	130	*28·7*	22·01	150	108
D	FARNHAM (ROWLEDGE)		A. Hampton Brown, Esq.	5	1 0	300	...	25·74	167	110
D	Farnham (Boundstone)		A. Hampton Brown, Esq.	5	1 0	370	*29·2*	24·15	161	109
D	Tilford (Openwood)		Major G. A. Moxon ...	5	1 0	250	...	23·15	131	105
D	Tilford (Brownholm)		Mrs. H. G. King	5	1 0	275	...	23·18	146	115
D	Holmbury St. Mary (Feldemore) ...		Mr. W. E. Hobday ...	5	2 0	500	*32·0*	27·16	161	109
d	Shackleford (Hall Place)		F. F. Hill, Esq.	8	1 2	200	*28·0*	25·04	...	...
D	Peaslake (Southcots)		J. S. Moffat, Esq.	5	1 0	420	*33·1*	26·59	177	115
D	Bramley		W. H. Morgan, Esq. ...	5	1 3	132	...	23·13	147	100

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DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	SURREY—(*contd.*).			*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	6.—THAMES. Wey—(*contd.*).									
D	Abinger Common (Goddards)		J. A. Gibbs, Esq.	5	1 0	586	*32·3*	27·74	152	115
D	Abinger Common (Furzen Wood)		Major E. J. Lugard, D.S.O.	5	1 0	555	*31·0*	24·84	162	112
D	Abinger Hall		Lord Farrer	8	1 8	300		23·85	137	98
D	Shere (Manor House)		R. A. Bray, Esq.	5	1 0	330	*30·3*	25·92	163	121
d	Aldbury (Dalton Hill Gdns.)		Mr. J. Tidy	5	1 0	250	*28·9*	22·94		95
D	Shalford (The Hutch)		Capt. G. C. Pentland	5	1 2	180		23·00	152	106
d	Farnham (Wrecclesham)		W. E. Sotheby, Esq.	8	1 0	360		24·17		116
D	Chilworth (Braunston)		E. Ramsay, Esq.	5	0 11	170		23·75	171	104
D	FARNHAM (Castle Street)		A. C. Hunt, Esq.	5	1 0	256		23·49	157	115
d	Puttenham (Berthorpe)		Miss R. Tuckwell	5	1 0	350	*28·3*	23·50		99
d	Farnham (Beechwood)		Mrs. K. M. Lewis	5	1 8	250		20·36		
d	Guildford (Warren Road)		Miss M. Docwra	8	1 0	375		21·68		96
D	Guildford (Avonmore Avenue)		E. T. Fulk, Esq.	5	1 0	184		22·52	144	106
D	Guildford (Dunsdon Avenue)		P. R. Stuart, Esq.	5	1 3	174		22·46	154	112
D	Guildford (Joseph's Road)	(+A)	Borough Surveyor*	5	1 2	98		20·12	143	99
D	Guildford (Wood Street)		J. Taylor, Esq.	5	1 6	150	*27·0*	22·89	148	108
D	Guildford (Burpham)		V. B. Longhurst, Esq.	5	1 0	105		21·63	155	108
D	West Clandon		J. Dalrymple, Esq., C.E.	8	1 0	319	*28·5*	25·05	143	104
D	Worplesdon (Tangley Place)		E. J. W. Jeudwine, Esq.	5	1 10	150	*25·5*	21·63	141	107
	East Horsley (Ethandown)		Basil D. Tims, Esq.	5	1 0	280		24·46		
d	Pirbright (Bakersgate)		The Hon. C. Lyle	5	0 9	120		21·33		102
D	Old Woking (The Gresham Press)		Unwin Bros. Ltd.	5	1 0	50		20·63	151	100
D	Woking (The Grange)		Miss M. E. Wilson	5	1 0	81		22·81	152	104
D	Woking (York Road)		L. C. Norris, Esq.	5	1 0	120		21·44	144	98
D	Brookwood (Bisley Camp)		J. J. O'Leary, Esq.	5	4 0	200		21·27	141	100
D	Old Woking (Sewage Works)		Woking U.D.C.	5	1 0	76	*24·9*	20·79	128	98
D	Woking (Council Office)	(+A)	Woking U.D.C.	5	1 0	132		20·93	135	105
D	Woking (Percy Street)		J. Dalrymple, Esq., C.E.	8	1 0	100		22·57	141	102
d	Woking (Goldsworth Rd. Depot)		Woking U.D.C.	5	1 0	96	*25·3*	22·65	141	104
D	Byfleet (WISLEY R.H.S. Gdns.)		Director	8	1 0	150	*24·1*	24·86	146	101
D	Wisley (Outfall Works)		Woking U.D.C.	5	1 0	53	*24·5*	24·38	137	99
d	West Byfleet (Scotland Bridge)		Woking U.D.C.	5	1 0	67		24·95		97
D	Addlestone		W. V. Davies, Esq., C.E.	8	1 0	46	*24·0*	22·11	141	103
D	Weybridge (Oil Mills)		A. Whittet, Esq.	5	1 0	36	*23·7*	22·11	166	101
D	Walton-on-Thames W.W.		West Surrey Water Co.	5	1 4	33	*23·0*	21·33	131	98
	7.—THAMES. Bourne. 55 sq. mi.									
D	Chobham (West End)		F. A. Walter, Esq.	5	1 0	150	*25·8*	23·63	164	105
D	West Byfleet (N. Zealand Golf Club)		The Secretary	5	1 7	100		22·48	148	104
d	Chobham (Little Donnystone)		W. Acworth, Esq.	5	1 0	90		23·45		101
d	Bagshot		J. Waterer Sons & Crisp Ltd.	5	0 11	265		21·07		
D	Windlesham (Windlesham House)		R.Adml.A.Cochrane,C.M.G.	5	1 0	200	*26·1*	21·51	152	109
d	Windlesham (Woodside)		A. R. F. Bosman, Esq.	5	0 11	250		20·31		97
D	Weybridge (St. George's College)		Rev. C. K. Bryant	5	1 0	46		21·69	149	110
d	Chertsey (Long Cross)		Lord Brabazon of Tara	5	1 6	35		22·10		
D	Chertsey		W. V. Davies, Esq., C.E.	8	1 0	42	*23·3*	22·48	146	109
D	Chertsey (Abbey Meads)		J. Dalrymple, Esq., C.E.	8	1 0	53	*23·0*	20·36	148	103
D	Egham (Water Works)		S.W. Suburban Water Co.	5	1 0	54		19·77	130	94
D	Egham (Coopers Hill Training Coll.)		G. A. White, Esq.	5	0 6	275		21·13	133	103
	8.—THAMES. Loddon. 17 sq. mi.									
D	Frimley Pumping Station		Mid-Wessex Water Co.	5	1 0	213		22·65	146	99
D	Camberley (The Holt)		Sir Henry Scott-Smith	5	0 4	350		21·68	155	104

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DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	KENT. (Area, 1,532 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—ROTHER & C. 217 sq. mi.								
D	DUNGENESS (Lighthouse)	Chief Off'r R.N.Sig.Stn.(M.O.)	8	0 11	20	24·4	20·06	120	95
D	RYE (R.A.F. Station)	(+A) Meteorological Office	5	1 0	12	...	21·66	131	96
D	Brookland (Poplar Hall)	Rother & Jury's Gut C. Bd.	5	1 6	12	...	21·34	127	91
D	Wittersham (Mount Pleasant)	N. Lang Smith, Esq.	8	1 0	200	...	27·53	157	106
D	Dymchurch (Slieve Truim)	D. Hamill Morton, Esq.	5	1 0	9	...	21·07	135	99
D	Kenardington (The Firs)	Cmdr. F. H. Lyon, D.S.O.	5	1 2	65	...	22·41	131	98
D	Tenterden (East Hill)	Urban District Council	5	0 8	179	....	25·22	136	101
D	Hythe	Borough Surveyor	5	1 3	15	*28·0*	23·54	129	103
D	Hythe (Seabrook Road)	C. R. Lilburn, Esq.	5	1 4	0	...	22·83	154	102
D	Hythe (Sandling Park)	Major A. E. Hardy	8	1 0	260	...	26·09	139	112
D	Saltwood (Cylinder)	Miss M. Lethbridge	5	1 0	230	...	24·85	146	112
D	FOLKESTONE (The Leas)	(+A) Borough Engineer	5	1 0	128	*28·6*	24·52	141	106
D	Folkestone (Cherry Garden)	Folkestone W.W. Co.	5	1 6	230	*29·1*	26·14	148	110
D	Alkham (Lower Standen)	Folkestone W.W. Co.	5	1 0	250	...	27·33	136	113
D	Dover (Waterloo Crescent)	Borough Engineer	5	1 0	19	...	24·59	118	108
D	Dover Waterworks	Borough Engineer	5	1 0	200	...	22·38	121	105
D	Dover (Buckland)	Guy Mannering, Esq.	8	1 6	50	...	27·61?	116	94
D	Kearsney (Chilton Farm)	Borough Engineer	5	1 6	127	*33·5*	26·13	125	115
	2.—STOUR & C. 386 sq. mi.								
D	LYMPNE (Airport)	(+A) Meteorological Office	8	1 0	346	28·5	22·16	142	107
D	Lyminge (Elham Valley W.W.)	Philip Harris, Esq.	5	1 6	445	...	26·36	136	114
d	Elham (Ottinge)	S. G. Holmans, Esq.	5	1 9	300	...	25·80	...	104
D	Ashford (Gas Works)	L. G. Kimmins, Esq.	5	0 11	125	...	23·15	144	109
D	Ashford	Messrs. Headley Bros.	5	1 0	190	...	23·52	159	111
D	Ashford (Albert Road)	A. E. Brounger, Esq.	5	1 0	185	...	22·98	147	86
D	Ashford (Belmore)	J. W. Kennard, Esq.	5	1 0	200	...	22·94	132	105
D	Dover (Martin Mill Pump. Station)	W. A. Parker, Esq.	5	1 0	287	...	24·73	136	108
D	WYE (Agricultural College)	S. E. Agric. College	5	1 0	164	...	24·07	130	109
D	Waldershare Rectory	Rev. H. Saumarez Smith	5	1 0	275	...	26·30	143	105
D	Waldershare Park Gardens	Mr. J. Beer	8	1 0	250	*33·2*	27·29	149	121
D	Shepherdswell (Upton Lodge)	Rutley Mowll, Esq.	5	1 0	300	...	26·71	146	111
D	Boughton Aluph (The Glebe House)	E. Simmons, Esq.	5	1 3	220	...	21·56	141	103
D	Charing Pumping Station	W. A. Parker, Esq.	5	1 0	295	...	24·16	130	111
D	Deal and Walmer W.W.	W. Mantle, Esq.	5	1 0	110	*28·0*	23·23	119	97
D	Barham (Old House)	L. S. Osmaston, Esq.	5	0 9	175	...	23·50	139	104
D	Barham Pumping Station	W. A. Parker, Esq.	5	... ...	173	...	23·85	132	104
D	Nonington (Red Tiles)	C. G. W. Lewis, Esq.	5	1 0	140	...	21·99	131	105
D	Worth (Betteshanger Colliery)	National Coal Board	5	1 0	5	...	(21·53)	128	102
d	Worth (Upton House)	Capt. W. Elwin Napier	5	1 0	32	*27·7*	21·70	...	...
D	Wingham (Margate W.W.)	Mr. H. Burden	5	1 0	138	*28·7*	22·02	138	105
D	Chilham (Lower Ensden)	F. Ivo Neame, Esq.	5	5 0	305	...	21·74	129	104
D	Sandwich (Loop Street)	Borough Surveyor	5	0 10	15	...	20·53	126	108
D	Canterbury (London Road)	Miss B. Spillett	5	1 0	66	*28·7*	20·15	137	105
D	Canterbury (Sewage Works)	Manager	5	2 6	15	*27·5*	20·02	139	101
D	MANSTON (Airfield)	(+A) Meteorological Office	8	1 0	154	...	19·49	134	86
D	Broadstairs (Grange Road)	C. Saunders, Esq.	5	1 0	159	...	19·20	140	93
D	Broadstairs (Pierremont Park)	Surveyor	5	1 9	127	23·7	21·83	143	109
D	MARGATE	Capt. J. E. Turner	5	1 0	51	22·8	18·99	124	95
	3.—SWALE & C. 167 sq. mi.								
D	Selling (Perry Cottage)	F. Ivo Neame, Esq.	5	1 5	320	...	21·83	132	104
D	Selling (Luton)	F. Ivo Neame, Esq.	5	4 9	300	*30·4*	22·01	119	99
D	Sittingbourne (Torry Hill)	D. Leigh Pemberton, Esq.	5	1 0	497	...	24·52	137	101
D	Newnham (Pumping Station)	W. A. Parker, Esq.	5	1 0	107	...	20·28	129	100
D	Faversham W.W.	Engineer and Manager	8	1 6	132	...	19·25	145	95
d	Ospringe (Queen Court)	Shepherd Neame Ltd.	8	1 3	50	...	(19·83)	...	...

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	KENT—(*contd.*).			*in.*	*ft.*	*in.* *t.*	*in.*	*in.*		
	3.—SWALE & C.—(*contd.*).									
d	Ospringe (Lorenden)		Messrs. G. W. Finn & Sons	5	1	6 175	...	18·90	...	92
D	Sittingbourne (Highsted W.W.)		Sittingbourne U.D.C. ...	5	1	7 138	...	21·79	140	94
D	Faversham (Sewage Disp. Works)		Engineer and Manager ...	8	1	0 22	...	18·84	138	99
D	Whitstable (Green Lees) ...		W. H. Wetherell, Esq. ...	5	1	0 125	...	18·87	153	99
d	Teynham (Newgardens) ...		Mrs. Honeyball	5	1	5 30	*24·5*	18·38	...	...
D	Milton Regis (Sewage Works)		Sittingbourne U.D.C. ...	5	0	8 8	...	18·44	117	94
D	WHITSTABLE (Westmeads Rec. Grd.)		Engineer to the U.D.C. ...	5	1	0 9	...	18·16	124	93
	Herne Bay (Waterworks) ...		J. Roberts, Esq.	5	1	0 125	*22·8*	19·74	...	...
d	Eastchurch (Barnland) ...		A. Beal, Esq.	5	1	0 180	...	16·66	...	83
	4.—MEDWAY. 506 sq. mi.									
D	GOUDHURST (Bedgebury Forest)		Forestry Commission ...	5	1	0 290	...	28·36	153	115
D	Goudhurst (Bedgebury Pk. Gdns.)		Mr. H. Arnold	5	1	0 280	...	27·87	134	112
D	Scotney Castle		E. W. Hussey, Esq.... ...	5	2	0 200	...	25·65	135	100
D	Cranbrook (Little Glassenbury)		J. I. Stirling, Esq.	5	0	10 360	...	26·78	139	116
d	Lamberhurst (Bayham Abbey)		Mr. G. J. Miller	5	1	0 340	...	31·23	...	98
D	Goudhurst (Gore Court) ...		J. A. Druce, Esq.	5	1	0 197	*30·3*	24·90	136	104
D	TUNBRIDGE WELLS (Calverley Pk.)		Medical Officer of Health ...	5	1	0 351	...	25·29	144	109
d	Matfield (Kings Mead) ...		Henry Hills, Esq.	5	1	4 390	...	24·35	...	...
D	Brenchley (The Warren) ...		C. Langer, Esq.	5	0	6 275	...	26·67	141	105
D	Speldhurst Rectory		Rev. Canon H. Mallinson ...	5	0	10 334	...	25·18	141	120
D	Pembury Waterworks		H. P. Bishop, Esq., C.E. ...	8	1	6 197	...	24·40	144	111
	Edenbridge (Old East Haxted)		Capt. J. N. Knox, R.N. ...	5	2	9 200	...	22·84	...	...
D	Edenbridge (Falconhurst) ...		Hon. Mr. Justice Talbot ...	5	1	6 375	30·7	26·86	144	116
D	Edenbridge (Stonewall Park) ...		Lt.-Col. E. R. Meade-Waldo	5	1	1 344	...	25·73	138	116
D	Edenbridge (Gilridge)		J. Mavrogordato, Esq. ...	5	1	0 400	...	26·19	162	119
D	Edenbridge (Hever Castle) ...		Mr. H. F. Horn	5	1	0 200	...	24·63	143	106
D	Headcorn (Great Tong) ...		A. E. A. Day, Esq. ...	8	1	6 110	...	21·68	116	84
D	Hildenborough (Gailes) ...		E. E. Roper, Esq.	5	1	0 159	...	22·40	136	109
D	Hildenborough (Hollanden House)		C. H. Scott, Esq.	8	1	0 99	...	22·57	144	101
D	Hildenborough (Old School Cottage)		J. S. Roper, Esq.	5	1	0 270	...	21·27	130	110
D	East Peckham (Woodbine) ...		W. H. Pearson, Esq. ...	8	1	0 47	...	22·23	120	96
D	Lenham (Lenham Court) ...		Major Pitt	5	1	0 400	...	25·67	140	101
D	Langley (Rumwood Court) ...		Mr. H. Parsons	5	1	9 354	...	22·71	129	91
D	Lenham		D. F. Tysoe, Esq.	5	1	6 400	...	24·89	134	100
d	Sevenoaks (Underriver) ...		Head Gardener	5	1	0 350	...	23·98	...	...
d	Sevenoaks (River Hill) ...		Major D. M. Rogers ...	5	1	0 500	30·0	23·80	...	102
D	Maidstone W.W. (Barming) ...		C. H. Harden, Esq., C.E. ...	5	1	4 247	...	22·62	139	102
D	Maidstone (Mill Street) ...		J. H. Hughes, Esq. ...	8	6	0 37	...	23·24	158	104
D	Bearstead (Thurnham P.S.) ...		W. A. Parker, Esq. ...	5	1	0 107	...	24·55	143	104
D	Maidstone (Brenchley Gardens)		J. H. Hughes, Esq. ...	5	0	9 49	...	22·19	130	97
D	WEST MALLING (Airfield) ...	(+A)	Meteorological Office ...	5	1	0 309	...	22·36	142	106
D	EAST MALLING (Research Station)		Director	8	1	0 132	...	23·72	139	97
D	Maidstone (Allington Lock) ...		Mr. A. H. Reed	5	1	0 20	...	20·23	117	88
D	Aylesford (Forstal Pumping Stn.)		C. H. Harden, Esq., C.E. ...	5	1	4 20	...	21·73	137	98
D	Trottiscliffe Pumping Station ...		W. A. Parker, Esq. ...	5	1	8 250	...	22·37	124	108
D	Maidstone W.W. (Boxley) ...		C .H .Harden, Esq., C.E. ...	5	1	0 319	...	22·18	135	92
D	Hartlip (Malts Hill Pumping Stn.)		A. E. Watkins, Esq., B.Sc.	5	1	0 225	...	23·52	129	101
D	Chatham (Woolmans Wood) ...		A. E. Watkins, Esq., B.Sc.	5	3	0 470	...	21·22	114	87
D	Halling Pumping Station ...		W. A. Parker, Esq. ...	5	1	0 75	...	21·29	109	94
D	Chatham (Nashenden P.S.) ...		A. E. Watkins, Esq., B.Sc.	5	0	9 125	...	23·19	115	95
D	Chatham (Luton W.W.) ...		A. E. Watkins, Esq., B.Sc.	5	3	0 88	...	22·58	137	97
D	Cuxton (Pumping Station) ...		Cuxton Water Committee	5	1	0 87	...	21·00	135	97
D	Rainham (Motney Hill) ...		J. B. Harvey, Esq.	5	1	0 28	...	18·47	118	77
D	Strood Waterworks	(+A)	City Surveyor	5	1	0 112	...	22·60	131	90
D	Frindsbury (Shornells) ...		F. J. Talbot, Esq.	5	1	3 50	...	23·23	135	89
D	Higham (Forge Lane)		E. N. M. Wadman, Esq. ...	5	0	10 200	...	23·24	153	93

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	KENT—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—THAMES. Darent & c. 256 sq. mi.								
D	Westerham Town	Met. Water Board	5	1 0	380	...	25·50	132	112
D	Westerham Hill Pumping Station	Met. Water Board	5	1 0	539	...	27·12	145	114
D§	Sundridge Pumping Station	Met. Water Board	5	1 0	270	...	23·21	141	107
d	Sevenoaks (Knole Park)	Head Gardener	5	1 0	500	...	24·72	...	...
D	Sevenoaks (Oak Lane)	E. H. Evans, Esq.	8	1 6	428	...	24·67	128	108
D§	Tatsfield (Betsoms Hill)	Met. Water Board	5	1 0	820	...	27·07	127	108
	Seal (Oak Bank Reservoir)	E. H. Evans, Esq.	8	1 3	548	...	24·65	...	...
D	Sevenoaks (Cramptons Rd. P.S.)	E. H. Evans, Esq.	8	1 0	222	...	23·34	141	106
	Seal (St. Lawrence Reservoir)	E. H. Evans, Esq.	8	1 3	665	...	25·40	...	...
d	Seal (Kemsing Pumping Station)	E. H. Evans, Esq.	5	1 3	292	...	25·19	...	104
D	Sevenoaks (Chevening Gardens)	Head Gardener	5	1 0	360	...	24·38	130	104
D	Knockholt (Kent Waterworks)	Met. Water Board	5	1 0	785	*29·9*	28·09	126	114
D	Downe (Down House)	Dr. O. J. R. Howarth, O.B.E.	5	1 1	560	...	27·14	154	119
D	Shoreham (Highfield)	Sir Herbert B. Cohen, Bart.	5	0 9	650	...	25·42	136	112
D	West Wickham (Pumping Station)	Met. Water Board	5	1 0	240	...	21·45	123	100
D	Eynsford Pumping Station	Met. Water Board	5	1 0	131	...	23·14	132	105
W	Farningham (Dunbrae)	Bertram Grey, Esq.	5	1 0	230	...	21·64	...	...
D	Orpington (Kent Waterworks)	Met. Water Board	5	1 0	220	...	23·11	144	104
D	Longfield (Hartley)	Hartley Water Committee	5	1 0	270	...	22·95	139	89
d	Crockenhill (Wested Farm)	A. T. Miller, Esq.	5	1 6	331	...	23·31	...	...
D	Cobham (Crossways)	Mrs. A. M. Marsh	5	3 0	320	...	22·14	144	101
d	Horton Kirby (Court Lodge)	W. Rogers, Esq.	5	1 0	30	...	21·04	...	...
D	Nurstead (Downs Road W.W.)	Gravesend & Milt'n W.W.Co.	8	1 0	164	...	21·94	135	102
	Bromley (Sundridge Avenue)	Dr. H. Wynne Thomas	5	1 0	270	24·7	20·85	...	...
D	BROMLEY	Borough Engineer	5	1 0	213	24·2	20·96	130	102
D	Bromley (Bishops Avenue)	G. H. Franey, Esq.	8	1 0	190	...	21·96	140	104
D	Beckenham (Croydon Rd.)	(+A) Borough Engineer	8	1 0	110	...	20·58	134	107
D	Penge (Recreation Ground)	The Surveyor	5	1 1	122	24·6	21·59	136	108
D	Anerley (Oakfield Road)	Miss S. Stannard	5	1 5	180	...	20·92	140	101
d	Chislehurst (Hawkwood)	Miss M. C. Edlmann	5	0 10	300	...	21·80	...	...
D	Chislehurst (Scadbury Park)	Major J. Marsham-Townshend	5	1 0	240	24·6	20·65	146	107
D	Bromley (Henville Road)	W. M. Smith, Esq., M.B.E.	5	1 0	230	...	21·94	151	103
d	Southfleet (Hook Place Farm)	J. J. Barker, Esq.	5	1 0	100	...	20·13	...	...
D	WILMINGTON (Glasshouse Dem. Stn.)	Kent Education Committee	5	1 0	212	...	20·39	127	99
D§	Southfleet (Kent Waterworks)	Met. Water Board	5	1 0	82	...	19·61	134	95
D	Wilmington (Kent Waterworks)	Met. Water Board	5	1 0	25	...	20·64	138	91
D	Stone (City of London Ment. Hosp.)	A. W. Fletcher, Esq.	5	1 2	115	...	19·80	138	91
D	Dartford (Sewage Works)	Resident Engineer	5	1 0	14	...	18·72	124	89
D	Erith (Sewage Works)	Erith U.D.C.	5	1 0	13	...	19·62	131	89
d	Higham Waterworks	Engineer and Manager	8	1 0	141	...	25·05	...	97
	SUSSEX. (Area, 1,458 sq. mi.)								
	1.—LAVANT & C. 175 sq. mi.								
D	Sidlesham (Council School)	Headmaster	5	1 0	15	...	25·15	151	108
D	BOGNOR REGIS (Waterloo Square)	Town Clerk	8	1 0	24	25·9	28·17	138	112
D	Bognor Regis (Albert Road)	W. L. Guermonprez, Esq.	8	1 0	17	26·3	26·08	163	111
D	Merston (Abelands)	The Hon. Sybil Hood	5	0 9	24	28·8	27·68	155	105
D	Bosham (Cobnor)	Major S. W. P. Beale	5	0 10	12	27·7	26·53	144	103
D	THORNEY ISLAND	Meteorological Office	5	1 0	11	...	23·73	147	103
d	Chidham (Chidmere)	H. Ll. Baxendale, Esq.	5	1 0	14	27·0	(23·78)	...	...
D	Bosham (Council School)	The Headmaster	5	0 6	14	27·2	25·82	129	100
D	Chichester (Apuldram)	S. J. K. Eames, Esq.	5	0 10	14	27·9	24·10	139	104
D	Chichester (Kingsham Farm)	Director of Agriculture	5	1 0	35	29·0	25·11	122	102

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	SUSSEX—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	1.—LAVANT & C.—(*contd.*).								
D	Chichester (West Street)	... Dr. W. Dick	5	1 0	40	28·3	26·51	143	106
D	Chichester (County Hall)	... D. Farr, Esq.	5	1 0	40	29·1	26·32	150	107
D	TANGMERE (Airfield)	(+A) Meteorological Officer	5	1 0	50	...	24·95	151	105
D	Arundel (West Walberton)	... P. A. Bissett, Esq.	5	1 0	90	...	27·08	152	113
D	Emsworth (Stansted Park)	... Earl of Bessborough	5	1 1	140	...	29·77	159	112
d	West Dean Park	... W. A. Mackenzie, Esq.	5	1 0	190	36·4	32·95	...	131
D	Chilgrove House	... C. F. W. Dimond, Esq.	5	1 6	253	35·0	35·21	156	126
D	Compton (Compton House)	... Miss K. B. Langdale	5	1 0	263	36·6	31·90	144	123
	2.—ARUN. 285 sq. mi.								
D	LITTLEHAMPTON (Met. Station)	... Clerk to the U.D.C.	5	1 0	19	26·2	26·77	129	103
D	Angmering (Elmhurst)	... Miss M. Orme	5	0 10	44	...	26·42	154	105
D	Patching Farm	... Michael Drewitt, Esq.	5	1 0	180	30·8	28·67	131	109
D	Arundel Castle	... The Duke of Norfolk	5	1 0	106	31·3	28·12	142	111
D	Bury (Rover's Cottages)	... C. P. Gates, Esq.	5	1 3	70	35·6	32·44	167	123
	Harting (Down Place)	... R. G. Blackwell, Esq.	5	1 2	401	37·5	(32·93)	...	...
D	Storrington (Greyfriars)	... Major J. R. Abbey	5	1 0	250	35·6	29·32	132	111
D	Storrington (Cootham)	... Mrs. Faithfull	5	1 1	125	34·1	(29·61)	136	110
	Bignor	... Major G. B. Hill	5	1 0	175	37·3	32·19	...	...
D	Pulborough (Parham)	... C. Sherston, Esq.	5	1 6	98	33·6	30·12	171	122
D	Pulborough (Bignor Park)	... Viscountess Mersey	5	1 3	75	...	32·64	140	119
D	Petworth (Barlavington Farm)	... J. A. G. Bragg, Esq.	5	0 9	181	...	31·98	138	111
D	Pulborough (Codmore Hill)	... Rev. C. Ash	5	2 6	165	32·0	31·01	172	119
D	Byworth (Edgehill)	... W. H. Boniface, Esq.	5	1 0	100	...	29·68	152	113
D	Midhurst (June Lane)	... H. R. Amoore, Esq.	5	1 0	135	33·2	28·88	158	109
D	Petworth Park Gardens	... Lord Leconfield	5	1 0	250	33·1	29·00	139	112
D	Rogate (Fyning)	... H. W. A. Bodkin, Esq.	5	1 0	230	31·2	27·64	161	115
	Rogate (Durford Wood)	... Mrs. A. M. Kennion	5	0 9	400	34·9	29·59	...	...
D	Rogate (Old Copse)	... Miss E. Barton	5	1 0	500	...	28·65	159	120
	Rogate (Fyning Combe)	... J. Gore. Esq., C.V.O.	5	0 8	420	...	28·70	...	...
D	Kirdford (Hills Green)	... L. Baker, Esq.	5	1 0	150	27·8	22·40	125	100
D	Petersfield (Durford Heath)	... A. M. Cohen, Esq.	5	1 0	450	35·3	29·21	120	105
D	Liss (Clayton Court)	... Head Gardener	5	1 0	480	35·2	31·31	160	122
D	Liss (Hill Brow)	... F. W. Beckford, Esq.	5	1 0	500	35·8	30·48	167	123
D	Horsham (Whites Bridge)	... N.W. Sussex Water Board	5	1 0	139	30·9	26·43	136	106
D	Lower Beeding (The Warren)	... Miss Reed	5	0 10	430	31·6	28·24	144	120
d	Horsham (Tower Hill)	... Mrs. C. Marsh	5	1 0	220	28·3	23·03	157	100
D	Horsham (Sewage P.S.)	... C. G. Atkinson, Esq.	8	1 0	120	29·3	24·22	148	101
d	HORSHAM (Springfield Park)	... Capt. G. L. Cattell	5	1 0	150	...	25·90	...	...
D	Horsham (Rushams Road)	... A. H. Wickersham, Esq.	5	1 0	140	...	25·18	154	106
D	Horsham (Windyridge)	... R. A. West, Esq.	5	1 0	260	...	24·27	132	99
D	Horsham (Wimblehurst)	... Miss E. M: Allcard	5	1 0	195	30·0	26·75	164	108
d	Horsham (Colgate)	... John L. Bennett, Esq.	5	1 0	350	...	27·82	...	...
D	Rudgwick (Swaynes)	... S. D. Secretan, Esq.	5	0 11	121	26·7	22·93	146	107
D	Rusper (The Nunnery)	... Sir Cecil J.B.Hurst,G.C.M.G.	5	1 6	260	30·8	27·96	149	109
	3.—ADUR & C. 237 sq. mi.								
D	Rottingdean School	... Mr. T. A. Sandalls	8	1 2	120	27·2	27·43	152	107
D	WORTHING (Beach House Pk.)	(+A) Medical Officer of Health	8	1 0	25	27·5	24·31	139	101
d	Goring-by-Sea (Highdown Tower)	... Col. F. C. Stern	5	0 9	100	...	25·07	...	90
D	Brighton (Ovingdean)	... L. H. B. Woodhead, Esq.	8	1 0	161	...	27·53	143	107
D	High Salvington (Hayling Rise)	... H. R. McCarthy, Esq.	5	1 0	210	31·3	27·03	148	110
d	Hove	... Medical Officer of Health	5	1 6	27	27·4	24·78	127	95
D	Southwick (Watling Road)	... E. C. Smith, Esq.	5	1 0	10	...	27·15	136	97
D	Hove (Eaton Gardens)	... G. St. Clair Feilden, Esq.	5	0 10	50	...	27·35	155	102
D	Hove (Park House)	... Guy Michell, Esq.	5	1 0	120	...	(28·81)	151	116

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	SUSSEX—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	3.—ADUR & C.—(*contd.*).								
D	Brighton W.W. (Goldstone Bottom)	F. N. Green, Esq., C.E.	8	1 0	142	...	26·03	147	101
D	Brighton W.W. (Lewes Road)	F. N. Green, Esq., C.E.	5	3 8	139	29·9	29·52	154	106
D	Brighton W.W. (Shoreham)	F. N. Green, Esq., C.E.	8	1 8	9	29·2	28·91	150	115
D	Brighton W.W. (Mile Oak)	F. N. Green, Esq., C.E.	8	0 10	166	...	29·41	151	109
D	Brighton W.W. (Race Hill Res.)	F. N. Green, Esq., C.E.	8	1 0	456	31·6	31·01	154	110
D§	Brighton W.W. (Balsdean Res.)	F. N. Green, Esq., C.E.	5	1 0	399	...	29·56	140	108
D	Brighton W.W. (Balsdean P.S.)	F. N. Green, Esq., C.E.	5	1 0	188	...	27·23	140	106
D	Falmer (Cold Dean)	R. Shanks, Esq.	5	1 6	100	...	34·15	137	112
D	Brighton W.W. (Falmer)	F. N. Green, Esq., C.E.	8	1 0	200	32·1	31·90	159	114
d	Findon (Muntham Court)	Col. Ulric Thynne	5	1 0	350	...	31·38	...	...
D	Findon (North End)	Mrs. B. H. Madge	5	1 0	211	...	30·69	162	115
D	Findon (Steep Lane)	T. G. Judge, Esq.	8	3 0	200	...	29·22	144	114
D	PATCHAM (Vale Avenue)	late G. Berry Hamlin, Esq.	5	1 0	200	34·1	30·84	157	111
D	Patcham (Brighton W.W.)	F. N. Green, Esq., C.E.	5	1 0	205	31·8	28·69	150	103
d	Washington Pumping Station	Chanctonbury R.D.C.	5	1 0	167	...	28·06	...	...
D	Hassocks (Newtimber Place)	Countess Buxton	5	0 8	100	...	30·83	135	112
d	Hassocks (The Croft)	Harold Taylor, Esq., M.A.	5	1 0	200	35·6	32·11	...	103
D	Hassocks (Hurst Wickham Rise)	A. Wigglesworth, Esq.	5	1 3	145	...	29·87	154	110
D	Henfield (Townmead)	Miss H. Dixon Brown	5	1 0	100	31·7	25·81	154	113
D	Hurstpierpoint (Brundall)	R. E. Toombs, Esq.	5	1 0	140	...	28·36	141	102
d	Partridge Green (Lloyt's Croft)	W. U. P. Morgan, Esq.	5	1 2	25	...	25·16	131	100
D	Partridge Green (Bulrushes)	S. H. Wood, Esq.	5	0 8	75	...	26·48	147	103
D	West Grinstead (Knepp Castle Gdns.)	Capt. W. R. Burrell	5	3 6	50	...	26·48	139	104
D	Coolham	C. E. Cleeves, Esq.	5	1 0	80	*29·6*	26·48	153	101
D	Slinfold (Elmhurst Farm)	Elmhurst Fmg. & Trdg. Co.	5	0 10	200	29·7	25·44	143	107
	4.—OUSE. 224 sq. mi.								
D	Seaford (Newlands)	Capt. T. Manning, R.N.V.R.	5	1 0	150	28·6	26·10	126	105
D	SEAFORD	Surveyor	5	1 0	45	...	25·46	128	108
D	Newhaven (Poverty Bottom W.W.)	F. B. Lumsden, Esq.	8	2 6	48	28·8	26·09	135	106
D	Lewes W.W. (Kingston)	J. T. P. Johnston, Esq.	8	1 3	11	34·6	31·98	161	115
D	Chailey (Cornwell's Bank)	Arthur B. Boxall, Esq.	5	5 0	160	...	26·45	159	103
d	Newick (Piltdown)	A. C. Jeffery, Esq.	5	2 4	150	30·2	27·50	...	103
D	Uckfield (Lawrence House)	C. G. D. Hoare, Esq., M.A.	5	1 3	125	...	26·17	137	109
d	Haywards Heath (Abbots Leigh)	C. Hales, Esq., J.P.	5	1 0	250	...	27·44	...	...
D	Haywards Heath (Paddockhall Rd.)	L. E. Hervey, Esq.	5	1 1	260	31·8	28·25	157	109
d	Lindfield (The Common)	Mrs. D. G. Robertson	5	1 5	180	32·7	(29·15)	...	...
D	Horsted Keynes (Holy Well P.S.)	W. H. Ashmole, Esq.	8	1 8	124	31·5	26·47	135	107
D	Horsted Keynes (Birchgrove)	Miss Fyfe	5	1 0	400	31·4	27·60	170	114
D	Balcombe (Lullings)	Mrs. M. Holland	5	1 0	348	34·8	29·52	169	124
D	Balcombe (Waterworks)	W. H. Ashmole, Esq.	8	1 0	467	33·9	28·99	163	120
D	Balcombe (Highley Manor)	Mr. B. T. Brooks	8	1 6	420	34·2	31·69	170	126
d	West Hoathly (Stonelands)	J. Godwin King, Esq.	5	1 0	450	34·3	28·57	...	...
D	Worth Priory	Rev. B. O. Brayden	5	1 0	480	33·2	27·66	150	119
	5.—CUCKMERE & C. 189 sq. mi.								
D	BEACHY HEAD (C. Guard Stn.)	Chief Officer (M.O.)	8	1 0	502	...	28·79	143	114
D	EASTBOURNE (Wilmington Square)	Medical Officer of Health	5	1 0	20	30·7	28·91	152	111
D	Friston (Water Tower)	Eastbourne W.W.	5	1 0	389	...	31·01	153	121
D	Friston	Eastbourne W.W.	8	1 0	104	*30·8*	30·58	155	117
D	Jevington	Eastbourne W.W.	8	1 0	274	*31·7*	31·85	157	116
D	Litlington	Eastbourne W.W.	8	1 0	19	*30·5*	29·72	147	112
D	Willingdon Sewage Farm	Hailsham R.D.C.	5	1 0	24	*32·3*	32·41	149	112
D	Pevensey Bay Pumping Station	Hailsham R.D.C.	5	1 0	7	*27·0*	29·70	149	111
D	HANKHAM	A. E. Moon, Esq.	5	1 0	68	...	29·46	153	109

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	SUSSEX—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	5.—CUCKMERE & C.—(*contd.*).								
D	Bexhill (Egerton Park) ...	... Bor. Council (H. J. Sargent)	8	1 2	12	26·3	24·10	136	105
D	St. Leonards (Filsham W.W.)	... Water Engineer (Hastings)	5	1 0	37	27·3	26·61	140	103
D	Hailsham (Magham Down) ...	... E. M. Bear, Esq.	5	1 0	90	28·4	26·00	139	107
D	Hellingly (East Sussex Ment. Hosp.)	... Medical Superintendent ...	5	0 7	140	...	27·86	150	105
D	Hazards Green (Pumping Station)	... Bexhill W.W.	5	1 7	74	26·0	24·64	157	101
D	Hastings (Newgate)	... Water Engineer	8	1 0	243	27·5	26·04	134	99
D	Hastings (Halton Reservoir) ...	... Water Engineer	5	1 0	294	28·6	26·69	133	106
D	Battle (Forewood W.W.) ...	... Water Engineer (Hastings)	5	1 0	50	28·0	24·97	120	98
D	Battle (Crowhurst Park) ...	... Mrs. K. M. Batten	8	1 0	440	...	28·26	139	111
D	Cowbeech (Pumping Station)	... Bexhill W.W.	5	1 7	100	...	25·31	127	101
D	Bodle St. (Bucksteep Manor) ...	(+A) Major G. P. Richardson ...	5	1 0	235	...	27·12	149	108
D	Horam (Coxlow)	... Miss Harrison	5	1 0	260	29·7	27·42	144	105
D	Heathfield (Burchford Farm) ...	... Mrs. D. Hook	5	1 0	358	...	28·64	144	113
d	Heathfield (Hailsham Road) ...	... Heathfield Growers ...	5	1 0	450	...	28·02	...	...
	6.—ROTHER. 194 sq. mi.								
D	Hastings (Fairlight Reservoir)	... Water Engineer	5	1 0	513	*29·3*	27·93	144	112
D	Hastings (Fairlight, Machico)	... Mrs. P. G. Lock	5	0 10	100	*27·6*	26·98	140	118
D	Brede Pumping Station ...	... Water Engineer (Hastings)	5	1 0	26	28·3	26·07	135	106
D	Udimore (The Wick)	... Major R. P. Mair	8	1 0	92	*28·9*	24·70	138	102
d	Playden (Scots Float)	... A. Court, Esq.	5	0 10	16	...	22·37	...	98
D	Brightling Park	... T. P. Tew, Esq.	5	1 0	545	34·1	33·08	164	120
D	Brightling (Bleak House) ...	... T. W. C. Terry, Esq. ...	5	1 0	550	...	32·24	163	118
d	Robertsbridge (Darvell Hall San.)	... Medical Superintendent ...	5	3 0	100	29·1	27·92	...	100
D	Peasmarsh (Woodside) ...	... A. W. Rickards, Esq. ...	5	0 7	100	30·1	27·95	157	121
D	Burwash (Bateman's)	... C. W. Parish, Esq.	5	1 0	50	...	28·69	148	115
D	Iden (Havencroft)	... J. N. Baker, Esq.	5	0 10	134	...	25·48	135	109
D	Rye (Iden)	... Admiral Sir Aubrey Smith	5	1 0	150	...	22·91	129	99
D	Northiam (Great Dixter) ...	... Mrs. Lloyd	5	1 0	209	29·5	25·03	147	108
D	Burwash (Crowhurst Bridge) ...	... Heathfield Dist. Water Co.	5	0 11	97	...	27·81	144	107
D	Mayfield (Cranesden)	... Sir Frederick Godber ...	5	1 0	345	...	27·46	131	106
D	Ticehurst (Stonegate)	... W. J. Wheeler, Esq. ...	5	1 0	230	32·6	29·77	169	123
	7.—MEDWAY. 117 sq. mi.								
D	Rotherfield (Horsegrove Farm)	... F. W. Shaw, Esq.	5	1 0	528	35·3	29·81	152	121
D	Crowborough (Jarvis Brook) ...	... Crowborough Water Co. ...	5	1 0	325	35·0	30·98	151	121
D	Crowborough (Harecomb) ...	... J. Robertson, Esq.	5	1 0	680	34·8	29·90	152	121
d	Crowborough (The Beacon) ...	... A. R. Allcroft, Esq. ...	5	1 0	796	36·7	32·15	...	130
D	Tunbridge Wells (Cousley Wood)	... A. Wilkin, Esq.	5	1 0	415	...	28·25	154	123
D	Hartfield (Beechcroft)	... Miss E. A. Foyster ...	5	1 0	370	34·5	27·79	176	117
D	West Hoathley (Duckyls) ...	... Mrs. C. Moore	5	1 0	600	...	29·47	(149)	(120)
d	Forest Row (Park Road) ...	... J. R. Coulthard, Esq. ...	5	3 0	300	...	28·69	...	...
D	Frant (Henley Gardens) ...	... Col. Benskin	5	1 0	440	32·2	28·78	151	116
d	Frant (Eridge Castle)	... Mr. G. A. Funnell	5	1 0	400	34·3	27·15	...	103
D	Hartfield (Bolebroke)	... Mrs. P. R. Mann	5	1 0	275	31·8	26·04	139	107
D	Crawley Down (Grange Hill)	... Miss L. T. A. Buckley ...	5	0 10	450	32·7	29·36	171	127
	8.—THAMES. Mole. 27 sq. mi.								
D	Worth (Worth Lodge)	... Miss M. C. Nix	5	1 0	340	31·6	27·89	180	114
D	Crawley (The Beeches) ...	... M. Longley, Esq.	8	1 0	220	31·2	28·01	143	114
	9.—THAMES. Wey. 10 sq. mi.								

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	HAMPSHIRE. (Area 1,627 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—ISLE OF WIGHT. 150 sq. mi.								
D	St. Catherine's Point (C.G.Stn.)	Station Officer (M.O.)	8	0 8	150	*27·8*	25·47	156	114
D	Ventnor (St. Lawrence)	Fraser Parkes, Esq....	5	0 9	100	...	24·81	135	107
D	Ventnor (Royal National Hos.)	Medical Superintendent	5	1 0	60	28·9	28·49	160	115
D	Ventnor (Steephill Cove)	C. W. Lale, Esq.	5	1 0	8	...	26·98	165	117
D	Ventnor (Cemetery)	Surveyor	5	1 0	445	*29·5*	28·04	156	117
D	Shanklin (Pomona Road)	Town Surveyor	5	1 0	199	*32·7*	32·65	152	123
D	Brighstone (Pitt Place)	W. A. P. Wykeham, Esq.	5	1 7	200	*27·7*	24·94	131	107
D	Sandown (Sandham Gardens)	Town Clerk	8	1 0	13	*30·9*	27·01	148	110
D	Sandown (Adgestone)	P. J. Neville, Esq., C.E.	5	1 0	9	...	29·15	145	113
D	The Needles (Golf Club)	Mrs. Newnham	5	1 0	250	*27·5*	24·42	136	111
D	Totland Bay (Aston House)	Hotel & Pier Co. (J. Dover)	8	1 0	140	28·5	(25·47)	(163)	(110)
D	Freshwater (Pumping Station)	Engineer in Charge	8	1 0	5	*28·8*	27·02	163	120
D	Newport (Recreation Ground)	Engineer & Surveyor	5	1 0	48	*32·9*	26·53	147	117
D	Ryde (Esplanade Gardens)	Borough Engineer	5	1 0	13	*29·0*	26·45	143	98
d	Wootton (Bridge House)	Miss A. Brodie	8	1 6	12	...	25·71	144	109
D§	Cowes W.W. (Broadfields)	Engineer & Surveyor	5	1 0	161	*29·8*	25·71	136	108
D	Osborne	House Governor	5	1 0	127	*32·7*	29·58	145	104
	2.—STOUR. 37 sq. mi.								
D	Bournemouth (Vale View) (+A)	The Corp., A. C. Marsh, Esq.	5	1 0	139	31·5	25·15	158	111
D	Bournemouth (Rothesay Road)	Dr. D. N. Seth-Smith	5	0 8	180	...	27·32	162	107
D	Bournemouth (East Avenue)	J. E. Hewitt, Esq.	5	1 0	143	*28·6*	26·66	146	110
D	Bournemouth (Talbot Woods)	H. Constantine, Esq.	5	1 0	110	*29·1*	27·90	149	102
D	Christchurch (Air Comp. Stn.)	Borough Surveyor	5	1 3	4	...	20·61	126	94
D	Christchurch (Hurn Court)	The Earl of Malmesbury	8	1 3	19	*32·2*	26·51	146	110
D	Ringwood (Athol Lodge)	Mrs. C. M. Robinson	5	1 0	60	*29·0*	28·00	198	123
	3.—EAST AVON & C. 114 sq. mi.								
D	Christchurch (Harrow Lodge)	R. C. Bacon, Esq.	8	1 0	135	*31·3*	27·88	167	121
D	Ringwood (Bisterne)	Major J. D. Mills	8	1 2	45	*30·9*	26·95	126	110
D	Ringwood (Crow Hill)	Mrs. H. F. Rawstorne	5	1 0	250	*30·2*	26·49	163	107
D	Ringwood (Hangersley)	Col. E. G. St. Aubyn, D.S.O.	5	0 9	200	...	27·14	165	112
D	Ringwood (Grey Friars)	Miss H. Christy	5	1 0	50	*28·4*	26·36	144	108
D	Ringwood (Linwood)	Miss R. M. Haines	5	0 9	138	*32·0*	28·58	174	117
D	Fordingbridge (Dockens)	E. W. Poore, Esq.	8	1 0	140	*31·1*	25·19	134	101
D	Fordingbridge (Furze Hill)	G. G. Smith, Esq.	5	0 5	150	...	25·58	147	114
D	Fordingbridge (Oaklands)	Mr. W. C. Barrett	8	1 0	135	31·7	27·91	160	114
	4.—TEST & SOLENT. 551 sq. mi.								
D	Milford-on-Sea (Farlights)	Mrs. F. W. Brown	5	1 0	50	...	26·60	164	109
D	Lymington (The Salterns)	P. A. Ouvry, Esq.	5	1 0	4	*28·9*	23·96	134	91
	Pennington Cross (Greenodd)	Mrs. Reeves	5	1 0	50	...	24·61	...	...
d	Lymington (Stanley Road)	E. A. Robins, Esq.	5	1 0	5	...	27·01	...	...
D	New Milton (Ashley County Sch.)	Headmaster	5	0 8	98	*30·7*	26·00	129	106
D	Sway (Gordleton)	W. F. Wright, Esq.	5	1 6	102	*29·7*	26·44	154	113
D	Lymington	Borough Engineer	5	1 0	57	...	26·68	147	105
d	Boldre (Battramsley Close)	Mrs. Des Voeux	5	1 1	119	*31·8*	28·04	...	112
d	Exbury	L. N. de Rothschild, Esq.	5	1 0	80	*29·2*	26·06	...	95
D	Calshot (Airfield) (+A)	Meteorological Office	8	1 0	8	...	23·97	143	94
D	Burley (Sandys)	G. Mason, Esq.	5	1 0	150	*31·8*	27·03	145	113
D	Hythe (Butts Ash Lane)	Miss J. M. Baker	5	1 0	130	*30·6*	28·18	159	119
D	Hythe (Lawn Cottage)	D. Stewart, Esq.	5	1 1	105	...	27·54	143	104
D	Cadnam (Skers Farm)	Lt. Col. J. W. Jeffreys, D.S.O.	5	1 0	150	*31·8*	29·58	155	115

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	HAMPSHIRE—(*contd.*).		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	4.—TEST & SOLENT—(*contd.*).								
d	Bartley (The Nurseries)	C. G. Haysom, Esq.	5	1 0	100	*32·0*	29·25	...	...
D	SOUTHAMPTON (East Park)	Director, Ordnance Survey	5	1 0	64	30·9	24·35	152	99
D	Southampton (Regents Park)	D. J. P. Kendall, Esq.	5	1 0	60	...	25·95	149	97
D	Romsey (Embley Gardens)	J. J. Crosfield, Esq.	5	1 0	130	*30·3*	26·79	153	109
D	Romsey (Timsbury P.S.)	J. Hawksley, Esq.	5	1 0	99	29·8	24·31	145	105
D	Hursley (Merdon Manor)	Sir George Cooper, Bt.	5	1 0	360	...	24·99	160	106
D	Sparsholt (Garstons)	Mrs. Simpson	5	1 3	350	...	25·91	142	110
D	Stockbridge (Houghton Lodge)	Mr. G. Morris	5	1 0	112	*30·5*	24·06	142	109
d	Crawley (Chilbolton Down)	G. W. S. Beale, Esq.	8	1 2	350	*31·0*	25·67	...	102
D	Stockbridge (LECKFORD Estate)	Managing Director	5	1 0	385	...	24·69	148	102
D	Sutton Scotney (Wonston Manor)	J. H. Gray, Esq.	5	1 0	233	...	23·38	145	99
D	Andover (Sewage Works)	Borough Surveyor	8	0 8	180	*28·9*	21·98	145	99
D	Andover (Waterworks)	Borough Surveyor	8	1 0	205	...	22·20	138	99
d	Whitchurch (Laverstoke Mills)	Dr.J.Knaggs,A.R.C.S.,F.I.C.	8	1 10	250	...	25·25	142	97
D	St. Mary Bourne (Bournside)	Mrs. H. F. M. Boys	5	1 1	300	*29·4*	22·74	156	104
D	Worting (Manydown Park)	Col. A. S. Bates, D.S.O.	5	1 0	415	*30·2*	25·84	144	107
D	Whitchurch (Dunley Manor)	Sir Alfred Herbert	5	1 0	500	*30·8*	24·08	151	115
D	Linkenholt Manor	R. Dudley, Esq.	5	1 0	700	*32·5*	27·91	157	125
	5.—ITCHEN & SPITHEAD. 422 sq. mi.								
D	Alverstoke (Monckton House)	Major J. Blake	5	1 3	15	*28·6*	25·92	137	104
D	South Hayling (Loridge)	D. S. Bird, Esq.	5	0 10	10	...	23·91	123	97
D	Gosport	Borough Surveyor	8	0 9	30	*28·8*	25·77	156	104
D	PORTSMOUTH (Southsea Common)	Medical Officer of Health	5	1 0	15	*27·7*	25·27	145	101
D	Portsmouth (Eastney)	City Engineer	8	1 0	12	*25·3*	22·39	147	98
D	Farlington (Pumping Station)	Portsmouth Water Co.	5	1 0	78	*28·5*	27·31	150	104
D	Farlington (Reservoirs)	Portsmouth Water Co.	5	1 0	117	...	28·17	151	105
D	Farlington (Filter Works)	Portsmouth Water Co.	5	1 0	157	*27·9*	26·04	149	101
D	Havant (Portsmouth W.W.)	Portsmouth Water Co.	5	1 0	25	*27·2*	25·01	137	105
D	Fareham (Fareham House)	W. S. Stevenson, Esq., M.D.	5	1 6	30	*29·2*	26·20	133	108
D	Fareham (West Street)	N. E. Neville, Esq.	5	1 0	41	...	26·54	150	109
D	Fareham (Maindell W.W.)	Engineer & Surveyor	8	1 6	36	...	27·04	173	107
	Southwick (Pinsley Lodge)	Portsmouth Water Co.	5	1 0	150	*29·6*	27·61	...	...
D	Woolston Depot	Boro. Engnr., Southampton	5	5 8	13	*30·0*	24·71	119	101
	Idsworth (Water Tower)	Portsmouth Water Co.	5	1 0	202	*31·0*	28·90	...	...
	Southwick (Upper Beckford Farm)	Portsmouth Water Co.	5	1 0	112	*30·8*	27·64	...	...
D	Southampton (Portswood)	Boro. Engnr., Southampton	5	1 10	10	*29·7*	22·30	150	99
	Botley (Uplands Farm)	Wilmot H. Yates, Esq.	5	1 0	60	*31·5*	24·96	...	...
D	Curdridge (Sunnyside)	W. S. J. Cooke, Esq.	5	1 0	95	*30·7*	25·48	162	109
D	Southampton (Westridge Road)	J. W. Gillott, Esq., M.B.E.	5	0 11	50	...	25·03	143	96
	Catherington Reservoir	Portsmouth Water Co.	5	1 0	428	*34·2*	29·56	...	...
D	Swanmore (Holywell House)	Mrs. M. Portal	5	1 0	175	*32·2*	28·61	161	116
	Hambledon (Whitedale)	Portsmouth Water Co.	5	1 0	223	*34·0*	28·05	...	...
D	Soberton (Mislingford)	Gosport W.W. Co.	5	1 0	136	*31·7*	27·88	149	116
D	West End (Oaklands)	Mrs. Pearson	5	1 0	45	*30·9*	25·79	135	107
D	Petersfield (Ditcham Park)	Portsmouth Water Co.	8	1 0	555	...	31·02	112	106
D	Otterbourne (Kingfisher Lodge)	Major T. T. Phelps	5	0 10	80	...	25·84	154	114
D	Otterbourne W.W.	J. Hawksley, Esq., O.B.E.	5	1 0	113	30·7	27·15	178	117
D	Twyford (Pumping Station)	J. Hawksley, Esq., O.B.E.	5	1 0	139	31·1	25·84	154	114
D	Compton (Cross Ash)	J. Durst, Esq.	5	1 1	250	*30·4*	26·27	161	115
D	Winchester (St. Cross)	G. M. Mathews, Esq., C.B.E.	5	1 0	135	*30·7*	24·22	149	115
D	Winchester (Beaconsfield House)	F. B. Heathcote Wride, Esq.	8	1 0	228	...	26·89	185	119
D	Ovington Rectory	Rev. H. L. Atkins	5	1 0	221	33·2	30·10	159	120
D	Bishop's Sutton	H. C. Mills, Esq.	5	1 0	260	...	26·88	151	116
D	Itchen Abbas (Chilland)	W. J. Arnold, Esq.	5	1 3	200	*30·5*	25·98	161	116
D	Itchen Abbas (Itchen Lodge)	Mrs. Savile	8	1 0	200	...	26·28	163	115

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	HAMPSHIRE—(*contd.*).		*in.*	*ft.*	*in.* *t.*	*in.*	*in.*		
	6.—ARUN. 82 sq. mi.								
d	Liss (Kippences)	Rev. W. L. de B. Thorold	5	0	9 250	*33·3*	29·82	...	...
D	Liss (Hawkley Hurst)	T. Clive Davies, Esq.	5	0	11 422	*37·7*	28·41	171	121
	7.—THAMES. Wey. 92 sq. mi.								
D	Petersfield (Stoner Hill) (+A)	C. J. P. Cave, Esq., J.P.	5	1	0 748	38·1	31·66	164	122
d	East Tisted (Rotherfield Park)	Col. J. B. Scott	5	1	3 500	*37·1*	29·72	...	...
D	Selborne (The Wakes)	Mrs. Bibby	5	1	0 400	35·3	30·94	174	135
D	Alton (Treloar Cripples Hospital)	Secretary	5	1	6 350	...	27·59	158	120
D	Alton (Waterworks)	Engineer and Surveyor	5	1	0 455	...	28·11	156	117
D	Alice Holt Forest	Forestry Commission	8	1	0 264	*30·0*	27·90	202	118
	Bentley (The Welches)	J. Howarth Massey, Esq.	5	1	0 300	...	27·95	...	...
	8.—THAMES. Loddon. 164 sq. mi.								
W	Swaineshill	Mid-Wessex Water Co.	5	1	0 616	*30·5*	23·85	...	...
D	LONG SUTTON	Lord Wandsworth College	5	1	0 479	*28·2*	25·83	140	111
D	Basingstoke (Upton Grey Ho.)	G. Weisweiller, Esq.	5	1	0 400	*27·7*	24·30	133	107
D	Aldershot Waterworks	Mid Southern Utility Co.	5	1	0 251	*27·0*	22·54	144	109
D	Aldershot Reservoirs	Mid Southern Utility Co.	5	1	0 393	*27·2*	28·04	143	104
d	Odiham (Mill House)	W. M. Dean, Esq.	5	1	0 241	*26·0*	20·57	...	106
d	Odiham (Sewage Works)	Hartley Wintney R.D.C.	5	1	0 240	*26·5*	21·29	...	92
D	Greywell Pumping Station	Mid-Wessex Water Co.	5	1	0 263	*26·3*	21·30	150	102
D	Hook (Nately Hatch)	R. C. Mallock, Esq.	5	1	0 328	*26·7*	23·19	161	103
D	Fleet (Home Wood)	Mrs. L. M. Kent	5	1	0 300	*25·4*	19·89	132	99
D	Sherborne St. John	A. G. Willis, Esq.	5	2	2 260	29·0	24·49	141	110
D	Hartley Wintney (Warren Heath)	Hartley Wintney R.D.C.	5	1	0 226	*25·8*	20·81	132	98
D	Hartley Wintney (S.D. Works)	Hartley Wintley R.D.C.	5	1	0 180	...	20·59	130	99
D	SOUTH FARNBOROUGH (R.A.E.) (+A)	Meteorological Office	8	1	0 226	26·1	19·87	138	93
D	Winchfield (Elvetham Park)	Mr. T. J. Brownjohn	8	1	0 217	*26·8*	20·70	152	106
D	BRAMLEY (Ordnance Depot)	Deputy Commander, R.E.	5	1	0 196	...	22·65	138	109
D	Heckfield (Park Corner)	late Miss V. Martineau	5	1	2 257	24·6	21·84	175	113
	9.—THAMES. Kennet. 65 sq. mi.								
D	Kingsclere (Isle Hill)	C. E. Harvard, Esq.	5	1	6 500	...	28·27	160	116
D	Kingsclere (N. Sydmonton House)	Lt.-Col. Kingsmill, D.S.O.	5	1	2 350	...	25·36	136	111
D	Silchester House	T. M. Hartley, Esq.	5	1	0 305	*25·0*	20·84	140	103
	BERKSHIRE. (Area, 722 sq. mi.)								
	1.—TEST. 2 sq. mi.								
	2.—THAMES. Bourne. 15 sq. mi.								
D	Sunninghill (Blacknest P.S.)	Surveyor. Windsor R.D.C.	8	1	0 130	26·0	21·70	141	106
d	Sunninghill (Titness Farm)	Lt.-Col. J. N. Horlick, M.C.	5	1	0 220	27·0	21·78	...	103
	3.—THAMES. Loddon & c. 162 sq. mi.								
D	Beech Hill (Waveney)	Miss D. Page-Roberts	5	1	0 220	...	19·80	133	103
d	Broadmoor Asylum	Medical Superintendent	5	1	0 300	27·6	19·43	...	107
D	Wokingham (Sindlesham House)	Mr. W. Balcombe	5	4	0 200	25·4	18·87	129	104
D	Wokingham, (Reading Road)	P. Chandler, Esq.	5	1	0 182	...	19·33	136	95
D	Wokingham (Winnersh Nursery)	W. Bates, Esq.	5	1	0 180	...	18·18	143	98
D	Winkfield (Maidens Green)	R. Crosbie-Hill, Esq.	5	1	0 210	26·0	19·56	150	104
D	READING (SEED TRIAL GROUNDS)	A. F. Sutton, Esq.	5	1	0 141	...	17·59	132	93
D	Windsor (Forest Park Gardens)	A. G. W. Briars, Esq.	5	0	10 150	...	21·49	141	116
D	Shurlock Row (Lewins)	J. C. Besly, Esq.	5	0	9 146	...	20·98	128	106
d	Twyford (Beenham's Heath)	Mid-Wessex Water Co.	5	1	0 136	...	20·54	...	...
D	Windsor (Bolton Road)	B. B. Summers, Esq.	5	1	0 80	...	21·32	146	103
D	Windsor (Royal Gardens)	Mr. G. Simpson	5	1	1 88	24·9	20·27	143	101
D	Windsor (Clarence Crescent)	H. I. Bond, Esq.	5	1	0 60	...	20·51	142	103
D	Twyford (Hare Hatch)	J. Waterer, Sons & Crisp, Ltd.	5	1	0 180	...	22·50	156	113
D	Maidenhead (Shopperhangers Rd.)	G. Stow, Esq.	5	1	6 180	...	19·98	135	107

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	BERKSHIRE—(*contd.*).		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	3.—THAMES. Loddon & c.—(*contd.*).								
D	Maidenhead (Sewage Wks.) ... (+A)	Borough Engineer	5	1	0 81	...	19·77	146	105
	Pinkney's Green	R. P. Lord, Esq.	5	0	10 240	26·7	20·79	...	...
D	Maidenhead (Boulter's Lock) ...	Thames Conservancy ...	5	1	6 82	...	20·12	149	108
D	Hambledon Lock	Mr. T. E. Wise	5	2	0 105	27·0	23·90	176	112
	4.—THAMES. Kennet & c. 224 sq. mi.								
D	Inkpen (New Mill)	G. C. Goodhart, Esq. ...	5	1	5 485	32·5	26·55	165	115
D	Newbury (Greenham Common) ...	A. A. Lawrence, Esq. ...	5	1	5 500	...	26·00	141	116
D	Mortimer (Grazeley Green)	P. L. D'E. Skipwith, Esq. ...	5	1	0 200	26·1	19·82	126	102
	Brimpton (Stonehouse)	F. L. Hadden, Esq.... ...	5	1	0 350	27·5	20·78	...	...
D	Hungerford Park	Mrs. A. G. Turner	5	0	10 400	...	23·35	137	116
D	Newbury (Gloucester Road)	L. Giles, Esq.	5	2	0 250	...	25·47	155	114
D	SHINFIELD (University College Farm)...	Prof. J. A. Crowther ...	5	1	0 200	...	18·74	133	98
d	Bucklebury Place	D. B. Macdonald, Esq. ...	5	1	0 409	...	(20·60)	...	...
D	Reading W.W. (Bath Road)	O. Kean, Esq., C.E. ...	5	1	0 217	24·4	18·51	157	101
D	Reading (Tilehurst)	Miss M. W. Latham ...	5	1	0 200	25·6	20·89	146	111
D	Reading (Forbury Gardens)	A. G. Long, Esq.	5	1	8 143	24·9	19·68	150	100
D	READING (University College) ...	Prof. A. Austin-Miller ...	5	1	0 152	...	18·96	144	96
D	Reading (Caversham Lock)	Thames Conservancy ...	5	1	0 123	...	19·08	132	98
D	Caversham (St. Peter's Hill)	J. A. Sargent, Esq.	5	1	4 140	25·0	20·14	126	98
D	Chievely (Priors Court)	Mr. S. F. Tuffley	5	1	0 403	...	24·73	160	111
d	Peasemore House	Mrs. E. Brown	5	1	6 400	...	21·51	...	...
	5.—THAMES. Ock & c. 319 sq. mi.								
D	Stanford Dingley (Dingley Hill) ...	C. O. Lowsley, Esq. ...	5	1	3 400	...	22·40	155	116
D	Reading (Englefield)	H. A. Benyon, Esq. ...	5	1	0 175	27·4	21·21	154	114
D	Bradfield Pumping Station	Mid-Wessex Water Co. ...	5	1	0 174	...	21·11	138	100
D	Yattendon (Yattendon Court) ...	H. B. Gammer, Esq. ...	8	2	4 360	...	22·62	136	107
D	Pangbourne (Woodberry)	W. H. Keep, Esq.	5	1	0 220	...	24·99	156	120
D	Moulsford (The Old Vicarage) ...	E. R. Abbott, Esq. ...	8	1	3 170	...	21·11	158	106
d	Wallingford (Winterbrook)	Frank K. Weedon, Esq. ...	5	1	0 151	24·9	18·39	...	89
D	Wallingford (Wantage Road) ...	A. Tame, Esq.	5	1	0 184	...	16·67	133	91
D	Wallingford (Style Acre)	A. L. Morphew, Esq. ...	5	1	4 200	25·2	18·74	145	104
D	Didcot (Sewage Works)	Wallingford R.D.C. ...	5	0	9 170	...	19·87	158	103
D	Faringdon (Shellingford House) ...	Mrs. K. Marshall	5	...	... 275	...	19·54	147	116
	Long Wittenham (The Manor House)	C. E. M. Judge, Esq., O.B.E.	12	0	9 170	25·3	18·83	...	...
D	Abingdon (The Firs)	Miss M. R. Challenor ...	5	1	3 180	23·7	19·48	152	105
D	Abingdon (Christ's Hospital)	W. T. Morland, Esq. ...	5	1	0 190	...	22·05	175	124
D	Abingdon (Frilford Heath)	R. W. Langford, Esq. ...	5	1	0 240	...	18·40	164	113
D	ABINGDON ... ... (+A)	Meteorological Office ...	5	1	0 210	...	19·44	169	106
D	Abingdon (Sandford Lane, S.W.) ...	W. J. Lee, Esq.	8	1	5 220	...	19·58	161	105
D	Boars Hill (Blackthorn)	A. C. Pilkington, Esq. ...	5	1	0 410	25·6	20·61	170	115
D	Oxford (Kennington Nursery) ...	Forestry Commission ...	5	1	0 350	24·7	19·01	150	104
D	Eynsham (Swinford P.S.)	H. H. Crawley, Esq., C.E....	5	1	0 203	...	18·47	159	108

DIVISION III—SOUTH MIDLAND COUNTIES

	MIDDLESEX. (Area 232 sq. mi.)									
	1.—THAMES. Colne & Brent. 185 sq. mi.									
D	Weybridge (Shepperton Lock) ...	Thames Conservancy ...	5	1	0	41	23·1	23·21	127	110
D	Sunbury (Riverdale)	Mrs. R. I. Wolferston ...	5	1	0	30	...	22·13	132	105
D	Littleton (Queen Mary Res.)	Met. Water Board	5	1	0	44	23·0	21·16	140	104
D	Hampton Waterworks (*new g.*) ...	Met. Water Board	5	2	0	45	22·7	20·72	136	101
D	Kempton Waterworks	Met. Water Board	5	1	0	40	22·6	21·26	135	106
D	Hampton (Refuse Disp. Works) ...	L. G. Hamlin, Esq. ...	5	1	1	60	...	22·35	144	110
D	Staines (Pumping Station)	Met. Water Board	5	1	0	55	...	20·09	132	101

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	MIDDLESEX—(*contd.*).			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—THAMES. Colne & Brent—(*contd.*).									
D	Staines Reservoir (West Side)		Met. Water Board	5	1 6	53	23·8	20·32	131	101
D	Isleworth (Mogden Wks.)	(+A)	C. B. Townend, Esq., C.E.	5	1 0	33	...	19·24	144	104
D	Longford (Perry Oaks Disp. Wks.)		C. B. Townend, Esq., C.E.	5	1 0	77	...	20·14	145	105
d	Hounslow (Pawnall Gardens)		P. W. Miller, Esq.	5	2 0	70	...	20·47	...	...
D	Feltham (London Airport)	(+A)	Meteorological Office	5	1 0	80	...	19·63	146	103
D	Sipson (Hollycroft)		R. R. Robbins, Esq.	5	1 0	94	22·5	21·48	141	118
D	Kew Bridge (Waterworks)		Met. Water Board	5	1 3	36	24·1	19·70	128	103
d	Chiswick (Town Hall)		Borough Engineer	8	0 2	27	23·3	19·75	...	...
D	Hanwell	(+A)	Middlesex County Council	5	1 9	36	24·5	22·06	146	101
D	Ealing (St. Paul's Vicarage)		Rev. A. H. Cooper	5	1 6	100	24·7	21·64	150	113
D	Ealing (Hanger Hill Reservoir)		Met. Water Board	5	1 0	206	24·7	20·67	125	105
D	Willesden Reservoir		Met. Water Board	5	1 0	167	25·6	21·74	139	106
D	Willesden (Stonebridge Pk.)		Borough Engineer	5	5 9	100	...	22·54	140	109
d	Sudbury (36, Station Approach)		R. M. Eadie, Esq.	5	0 11	152	...	25·40	...	95
D	Wembley (Town Hall)		Borough Engineer	5	1 0	187	...	22·99	139	103
D	Harrow (Oakhurst)		A. Gardner, Esq.	5	1 6	295	24·2	24·37	149	113
D	Brent Reservoir		Grand Union Canal Co.	5	1 3	138	...	24·76	157	111
D	Ruislip	(+A)	Middlesex County Council	5	1 6	142	...	22·90	177	114
D	Harrow (Headstone Road)		S. Hyla Greves, Esq.	5	1 0	208	...	24·88	175	118
D	Hendon (Council Depot)		A. O. Knight, Esq., C.E.	8	1 0	157	...	22·23	155	100
D	E. Finchley (Devon Rise)		A. G. Culmer, Esq.	5	1 6	200	...	21·00	154	105
D	Finchley (Church End)		Sister Marie Jacques	5	0 8	296	...	22·00	169	108
D	Ruislip Reservoir		Grand Union Canal Co.	5	1 3	170	...	24·29	191	116
D	WEALDSTONE (Kodak Works)		Messrs. Kodak, Ltd.	5	1 0	204	25·3	24·40	161	113
D	Northwood (Briarwood Drive)		C. C. Legge, Esq.	5	1 6	150	...	23·41	138	110
D	Northwood (Ravenswood)		M. T. Allen, Esq.	5	2 0	365	...	23·64	154	118
d	Edgware M.C.C. Depot	(+A)	Middlesex County Council	5	0 9	179	25·8	23·50	...	101
W	Mill Hill (Lyndhurst Avenue)		Capt. C. E. Mills	5	1 0	200	...	22·98	...	...
D	Stanmore	(+A)	Harrow U.D.C.	5	1 6	281	...	24·39	153	111
D	Elstree (Ridgeway)		Major N. G. Brett-James	5	0 10	450	...	20·94	129	105
D	Potters Bar (Mount Grace)		E. Halsey, Esq.	5	1 3	375	26·1	24·57	148	112
	2.—THAMES. Lea. 47 sq. mi.									
D	Crouch End (Priory Park)		J. H. M. Richards, Esq., C.E.	5	1 0	118	25·8	19·67	138	103
D	Hornsey (High Street)		Met. Water Board	5	1 0	107	24·9	20·37	128	99
D	Harringay (Wightman Rd.)		J. H. M. Richards, Esq., C.E.	5	1 0	90	...	19·43	122	95
D	Muswell Hill (Council Nurseries)		J. H. M. Richards, Esq., C.E.	5	1 0	209	26·1	22·33	136	100
D	Wood Green (Maryland Road)		F. C. Hornsey, Esq.	8	1 0	110	...	21·62	156	116
D	Finchley (Victoria Park)		P. M. Spencer, Esq., C.E.	5	0 11	300	26·3	21·56	152	98
D	Palmers Green (Broomfield Pk.)	(+A)	J. T. W. Peat, Esq.	8	1 6	136	24·7	21·27	127	99
D	SOUTHGATE (Oakwood Park)	(+A)	J. T. W. Peat, Esq.	5	1 0	220	...	21·30	143	101
D	Ponders End Pumping Station		Met. Water Board	5	1 0	45	23·3	20·04	124	97
D	Enfield (Southbury Road)		Met. Water Board	5	1 0	148	24·7	22·23	129	98
D	Enfield (Forty Hill)		Dr. E. C. Carter	5	0 11	125	...	21·67	143	99
D	Enfield (Roselands, Turkey St.)		E. S. Rashleigh, Esq.	5	1 0	80	23·2	20·09	134	94
D	Enfield (Whitewebbs Park)		Engineer & Surveyor	5	1 2	120	...	21·00	124	100
D	Waltham Cross (Sewage Works)		Cheshunt U.D.C.	5	1 0	61	22·6	20·84	135	95
	HERTFORDSHIRE. (Area 635 sq. mi.)									
	1.—THAMES. Thame. 10 sq. mi.									
D	Tring (Pendley Manor)		D. Williams, Esq.	5	1 0	420	28·4	22·82	154	128
	2.—THAMES. Colne & Brent. 199 sq. mi.									
D	Northwood (St. Mary's Avenue)		R. H. Daw, Esq.	5	1 0	231	...	23·02	147	113
D	Batchworth Heath (Bathend)		H. H. Annetts, Esq.	5	1 0	364	...	23·88	174	123
D	Northwood (Moor Park)		H. L. Lewis, Esq.	5	1 0	220	...	25·08	166	122

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	HERTFORDSHIRE—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	2.—THAMES. Colne & Brent—(*contd.*).								
D	Bushey Heath (California Lane)	Miss C. C. Cooper	5	1 0	550	26·0	24·27	128	111
D	Bushey Heath Res.	Colne Valley Water Co.	5	1 3	520	...	23·32	144	109
W	Totteridge (West Lodge)	P. D. Walker, Esq.	5	1 4	410	26·9	22·97	...	...
D	Totteridge (Gt. Bushey Drive)	J. Monger, Esq.	5	0 11	250	...	23·04	164	103
D	Batchworth (Pumping Stn.)	L. F. Hobbs, Esq., C.E.	5	1 2	156	...	24·13	156	113
D	Rickmansworth (The Island)	Grand Union Canal Co.	5	1 0	155	...	23·49	150	111
D	Watford (Pinner Road)	M. H. K. Irwin, Esq.	5	1 0	290	...	22·81	143	106
D	Croxley Green (Hill Cottage)	B. P. Waller, Esq.	5	1 0	240	...	23·63	147	105
D	Barnet (Sewage Works) (+A)	E. Scott, Esq., C.E.	5	1 0	295	...	23·04	155	98
D	Chorley Wood (Berry Lane)	M..B. King, Esq.	5	1 0	250	...	23·66	154	109
D	Boreham Wood (Furzehill Road)	H. T. Court, Esq.	5*	1 0	302	...	23·84	143	104
W	Elstree (Aldenham Res.)	Colne Valley Water Co.	5	1 0	330	...	22·97	...	...
D	Watford	Colne Valley Water Co.	5	4 6	204	25·6	21·26	142	99
D	Watford (Waterworks)	L. C. Kimberlin, Esq., C.E.	8	2 10	170	25·9	21·26	122	99
D	Heronsgate (Waterfield House)	J. M. Richardson, Esq.	5	1 0	390	...	24·13	160	114
D	Aldenham (Delrow School)	Headmaster*	5	1 0	298	...	22·23	149	106
D	Watford (Callowland)	K. C. Rees, Esq.	5	1 0	250	...	21·97	143	102
D	Garston (Building Research Station)	The Director	5	1 0	250	...	22·33	151	105
D	Kings Langley (Fir Tree Cottage)	Edward Toms, Esq.	5	1 0	278	28·1	23·23	159	117
D	KINGS LANGLEY (Ruckler's Lane)	L. H. Dennett, Esq.	5	1 0	264	...	22·17	154	111
D	North Mimms P.S. (+A)	Barnet Gas & Water Co.	5	1 0	254	...	22·93	148	114
D	Hemel Hempstead (Felden)	Mrs. M. R. Collier	5	1 0	500	...	22·94	134	111
D	Hemel Hempstead (Apsley Mills)	Messrs. J. Dickinson & Co.	24	1 4	268	27·9	21·64	152	102
	Boxmoor (Moorlands)	L. W. Swainson, Esq.	5	1 0	300	...	21·85	...	...
D	Colney Heath (Tyttenhanger P.S.)	Barnet Gas & Water Co.	5	1 0	241	25·7	21·86	143	102
d	St. Albans (Hill End Hospital)	Controller	5	1 0	295	25·1	20·61	...	102
D	St. Albans (Stonecross P.S.)	L. W. Ball, Esq.	5	1 6	420	...	21·10	142	103
D	ST. ALBANS (Oaklands Inst.)	Principal	5	1 0	272	24·9	20·23	143	95
D	St. Albans (Gorhambury)	Head Gardener	5	1 0	432	27·9	22·36	152	109
D	Hatfield (Hatfield P. Stn.)	Barnet Gas & Water Co.	5	1 0	340	24·7	21·70	149	104
D	Berkhamsted (Rossway)	The Lady Hadden	5	1 1	590	...	26·35	162	124
D	Berkhamsted (Lagley)	Mrs. E. Johnston	5	1 0	380	...	23·21	139	113
D	Berkhamsted (Amersfort)	W. S. Cohen, Esq.	5	0 9	510	...	22·13	146	118
D	Berkhamsted (Frithesden Copse)	H. V. Gray, Esq.	5	1 0	550	...	25·65	151	125
D	Tring (Cowroast Lock)	Grand Union Canal Co.	5	1 0	390	28·4	22·48	168	118
d	Harpenden (West Common Way)	R. Meldrum, Esq.	5	1 0	420	...	22·81	...	98
D	Harpenden (ROTHAMSTED) (+A)	Lawes Agricultural Trust	8	0 9	420	26·7	20·78	155	93
D	Harpenden (Rothamsted)	Lawes Agricultural Trust	5	1 0	420	...	21·78	158	101
D	Harpenden (Rothamsted)	Lawes Agricultural Trust	5	1 0	420	27·3	21·13	156	99
D	Harpenden (Rothamsted)	Lawes Agricultural Trust	72×87	0 9	420	28·6	22·12	173	101
D	Markyate Waterworks	I. Wilson, Esq.	5	1 0	538	...	22·56	163	118
	3.—THAMES. Lea. 340 sq. mi.								
d	Cheshunt Cemetery	Cheshunt U.D.C.	5	0 11	160	...	20·68	...	...
D	Cheshunt Yard	Met. Water Board	5	1 0	100	24·1	20·15	153	98
D	Cheshunt (Darnicle Hill P. Stn.)	Met. Water Board	5	1 0	250	26·2	22·80	155	103
D	Hatfield (Clarke's Road)	C. A. Barnes, Esq.	8	1 0	270	...	21·40	168	96
D	Broxbourne (Broxbournebury)	Mr. D. Cake	5	1 0	140	...	20·09	161	99
D	Hoddesdon	H. F. Hayllar, Esq.	5	3 0	130	23·7	19·63	146	100
D	Hoddesdon (Feilde's Weir)	Met. Water Board	5	3 8	95	23·7	20·08	129	102
D	Haileybury College	Headmaster	8	1 0	270	24·8	23·83	157	107
D	Hertford (Cole Green)	Lee Conservancy Catchm. Bd.	5	1 0	240	...	21·82	134	114
D	Gilston Park	G. R. Nelson, Esq.	8	1 0	175	...	19·81	133	101
D	Welwyn Garden City (Sewage Wks.)	Engineer & Surveyor	5	1 0	246	24·7	18·69	148	104
D	Hertford (Sewage Works)	Met. Water Board	5	1 0	123	23·3	20·39	140	97

* *Per* Hertfordshire Natural History Society.

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

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	HERTFORDSHIRE—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—THAMES. Lea—(*contd.*).								
D	Ware (Red House)	Met. Water Board	5	1 0	105	23·5	20·46	137	100
D	Ware (Grammar School)	Headmistress	5	1 2	118	23·0	21·57	133	96
D	Wheathampstead (Water End Ho.)	Mrs. L. M. Walker	5	1 0	255	...	22·11	128	105
D	Blakesware	Lee Conservancy Catchm. Bd.	5	0 9	230	...	21·60	125	103
D	Welwyn (Sewage Works)	C. B. Borthwick, Esq., C.E.	8	0 11	260	...	20·70	153	102
D	Welwyn (Codicote Lodge)	Head Gardener	5	1 0	340	25·8	20·39	136	101
D	Much Hadham (Moor Place)	R. C. Norman, Esq.	5	1 0	270	...	21·77	141	103
D	Breachwood Green School	S. J. Simpson, Esq.	5	1 0	489	...	21·01	145	110
d	Breachwood Green (Oxford Road)	Surveyor to Hitchin R.D.C.	8	1 0	480	...	21·84	134	111
d	Bishop's Stortford (Dunmow Rd.)	H. J. Holmes, Esq.	5	1 1	290	...	23·64	...	97
D	Little Hadham (Hadham Hall)	Miss S. Minet	5	1 0	338	24·5	19·09	123	100
D	Hitchin (Preston Hill Farm)	F. H. Maybrick, Esq.	8	1 0	484	25·2	18·86	165	100
D	Braughing (Upp Hall)	Lady Brodie Henderson	5	1 6	370	...	21·57	155	104
D	Buntingford (Chipping)	Lee Conservancy Catchm. Bd.	5	0 7	340	...	19·49	124	103
D	Royston (Therfield Rectory)	Rev. H. R. Humphreys	5	1 0	512	25·2	20·39	158	107
D	Hitchin (Knightswood)	H. Cooke, Esq.	5	1 2	300	...	21·32	167	127
	4.—OUSE. 86 sq. mi.								
d	Letchworth (Museum)	Surveyor U.D.C.	5	1 0	290	22·3	18·84	...	96
D	Royston (Earls Hill House)	Col. E. C. M. Phillips, D.S.O.	8	1 3	225	23·6	19·80	167	101
	BUCKINGHAMSHIRE. (Area 743 sq. mi.)								
	1.—THAMES. Cherwell. 30 sq. mi.								
D	Dagnall (Ivinglea)	E. L. Hawke, Esq., M.A.	5	1 0	550	...	26·37	193	135
	2.—THAMES. Thame. 158 sq. mi.								
D	Princes Risborough (Research Lab.)	Director	5	1 0	333	...	19·82	160	114
D	Ellesborough (Long Hazard)	Sir L. H. West, O.B.E.	5	1 2	400	...	18·72	144	104
D	AYLESBURY (County Farm)	Bucks. W.A.E.C.	5	1 0	316	...	19·34	159	108
D	Tring (Bulbourne)	Grand Union Canal Co.	5	1 0	401	26·2	22·45	166	126
D	Aylesbury (Sewage Works)	Engineer & Surveyor	5	1 0	251	25·9	18·67	141	116
D	Mentmore Gardens	Mr. T. Lindores	5	1 3	400	25·0	18·38	153	111
	3.—THAMES. Wye & c. 129 sq. mi.								
D	Eton (Tangier Island)	(+A) G. S. Baker, Esq.	5	0 8	68	24·6	21·99	150	108
D	Slough (Upton)	Mrs. L. R. Bentley	5	1 0	78	23·9	21·98	152	112
D	Taplow Court Gardens	G. H. Emmett, Esq.	5	1 0	212	23·9	21·35	146	109
D	Henley-on-Thames (Greenlands)	Lord Hambleden	5	1 0	125	27·1	20·02	140	106
D	Burnham Waterworks P.S.	The Engineer	5	1 0	180	...	21·75	159	112
D	Bourne End	Major Forbes Holland	5	1 0	96	...	21·24	153	113
d	Bourne End (Hedsor)	J. Wood, Esq.	8	1 0	170	...	22·70	146	116
D	Hambledon (Hatchmans)	Prof. G. E. Gask, C.M.G.	5	0 8	185	...	24·30	149	120
D	High Wycombe (Flackwell Heath)	W. C. F. Fairley, Esq.	5	1 10	365	26·8	20·94	146	107
D	High Wycombe (Pann Mill P.S.)	S. Young, Esq.	8	1 1	219	...	21·96	164	110
M	High Wycombe (Lane End Res.)	S. Young, Esq.	5	1 0	659	...	24·06	...	...
D	Penn (Rayners)	Mr. E. Peett	5	1 10	547	29·4	23·26	148	106
D	Radnage (Yewsden)	Rev. H. E. Cooper	5	0 11	430	...	24·22	155	126
D	Hampden House	The Earl of Buckinghamshire	5	1 0	695	29·2	21·88	164	133
	4.—THAMES. Colne 133 sq. mi.								
D	Slough (Ditton Park)	Admiralty	5	2 0	70	24·7	22·54	142	115
D	Uxbridge (New Denham)	H. J. Harley, Esq.	8	1 0	108	...	22·64	163	112
D	Gerrards Cross (Mill Lane)	A. L. Carroll, Esq.	5	1 0	280	...	23·30	154	120
d	Denham Golf Club	Secretary	5	1 0	210	26·4	23·79	...	112
D	Gerrards Cross (Bulstrode Gdns.)	R. G. Baty, Esq.	5	1 6	280	27·2	24·26	156	117

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	BUCKINGHAMSHIRE—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	4.—THAMES. Colne—(*contd.*).								
D	Beaconsfield	S. H. Dyer, Esq.	5	1 0	350	27·7	22·74	160	113
D	Chalfont St. Giles (The Colony)	J. W. Edwards, Esq.	8	1 2	340	...	24·53	166	112
D	Coleshill (Rushymead)	Mr. F. Aldridge	5	0 7	550	...	25·54	147	123
D	Amersham Waterworks	F. L. Gordon, Esq.	8	1 0	292	...	25·49	172	120
D	Gt. Missenden (Pumping Stn.)	L. F. Hobbs, Esq., C.E.	5	0 11	372	27·6	23·65	167	122
d	Chesham (Nashleigh Hill)	Mrs. Hayes	5	1 0	534	29·1	24·66	170	120
D	Wendover (Pumping Station)	Bucks. Water Bd.	8	1 0	486	...	22·04	166	121
	5.—OUSE. 293 sq. mi.								
D	Oving House	Head Gardener	5	1 0	515	26·4	21·55	159	117
D	Buckingham (Senior School)	Headmaster	5	1 1	303	...	21·72	163	107
D	Buckingham (Market Hill)	A. Pettipher, Esq.	5	1 0	300	25·3	21·00	161	110
d	Wolverton (Council School)	The Headmaster	5	5 0	263	22·9	19·62	...	...
D	Newport Pagnell (Lovat Bank)	F. W. Taylor, Esq.	5	1 8	250	...	18·01	154	123
D	Newport Pagnell (Lathbury)	F. W. Coales, Esq.	8	1 2	200	23·2	18·09	155	111
D	Olney (Colchester House)	R. E. Sowman, Esq.	5	0 9	170	...	19·55	155	111
D	Turvey (Brayfield House)	Major M. E. Farrer, J.P.	5	5 0	180	23·3	18·76	130	108
	OXFORDSHIRE. (Area, 756 sq. mi.)								
	1.—SEVERN. Upper Avon. 10 sq. mi.								
D	Sibford Ferris (West View)	B. W. Lamb, Esq.	5	1 0	570	27·3	23·51	151	117
	2.—THAMES. Windrush & c. 261 sq. mi.								
D	Kelmscott	R. Hobbs, Esq.	6	0 10	200	24·8	19·18	134	103
	Broughton Poggs	J. N. Hardcastle, Esq.	5	1 0	275	26·2	23·06	132	...
D	Witney (Grammar School)	A. L. Parker, Esq.	5	0 11	275	...	23·51	140	107
D	Charlbury (Cornbury Park)	Head Gardener	5	1 0	420	...	23·01	133	101
D	Chadlington (The Manor)	Paul Handy, Esq.	5	1 0	400	...	23·53	136	106
D	Chadlington (Langston House)	Mrs. W. M. Schofield	5	1 0	430	26·7	22·93	145	114
D	Woodstock (Sandford St. Martin) (+A)	B. E. Dunbar Kilburn, Esq.	5	1 0	500	...	25·51	189	110
D	Chipping Norton (Heythrop College)	Procurator	8	1 0	600	28·0	23·68	162	118
D	Chipping Norton (Bungalow)	T. H. Pettipher, Esq.	5	1 0	750	27·6	25·33	141	108
	3.—THAMES. Cherwell. 250 sq. mi.								
D	Oxford (Hincksey Pumping Station)	H. H. Crawley, Esq., C.E.	8	1 0	187	24·0	18·69	156	106
D	Oxford (Osney Lock)	Thames Conservancy	5	1 6	186	24·4	17·44	153	103
D	Oxford (Magdalen College)	F. J. Parker, Esq.	5	1 0	186	23·8	19·51	171	105
D	Oxford (64 Banbury Road)	F. J. Varley, Esq.	5	1 0	210	...	20·02	182	105
D	OXFORD (Radcliffe Met. Station)	Reader in Climatology	8	1 0	208	24·8	19·93	174	107
D	Headington (Warneford)	Dr. M. H. McInnes	5	1 0	300	23·3	17·90	122	94
D	Oxford (Banbury Road)	P. E. Saunder, Esq.	4	1 6	200	...	20·46	141	119
D	Kidlington (Shipton Manor)	A. J. Wells, Esq.	5	1 0	243	...	20·69	162	114
D	Tackley (Hampton)	W. Evetts, Esq.	5	1 0	266	...	21·22	156	106
	Middleton Park	A. C. J. Wall, Esq.	5	1 0	326	25·8	21·27?	...	...
D	Upper Heyford (+A)	Meteorological Office	8	1 0	408	25·7	21·60	154	108
D	Steeple Aston (The Grange)	Arthur E. Bradshaw, Esq.	8	1 0	400	27·0	24·90	160	121
D	West Adderbury (Cross Hill)	Lt.-Col. H. E. du C. Norris	5	1 0	338	25·4	21·81	169	111
D	West Adderbury (St. Amand's)	Miss M. M. Bradford	5	1 0	350	25·9	22·04	153	120
D	N. Newington (Orchard House)	H. J. Busby, Esq.	5	1 3	392	...	23·26	166	113
D	Banbury (Bloxham Road)	Dr. C. Royds Jones	5	1 0	416	25·8	21·69	161	109
D*	Grimsbury (Banbury W.W.)	Banbury Water Co.	5	1 3	316	...	19·97	146	108

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DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	OXFORDSHIRE—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—THAMES. Thame & c. 210 sq. mi.								
D	Whitchurch (The Haven)	D. H. J. Holmes, Esq.	5	1 0	140	...	22·84	153	102
D	Henley-on-Thames (Hart Street)	A. Edward Hobbs, Esq.	5	1 0	110	25·8	21·39	147	106
D	Henley-on-Thames (Greys Lane)	G. F. Smith, Esq.	5	1 1	123	26·1	16·98	143	95
D	Ipsden (The Vicarage)	Rev. P. D. Irwin	5	1 0	225	...	20·54	155	106
D	Ipsden (Hailey)	Glynne Williams, Esq.	5	1 0	350	27·0	19·21	172	105
D	Nettlebed (Joyce Grove) No. 1	Mr. F. Morby	5	1 0	590	31·1	22·30	135	117
D	Swyncombe House	C. W. Christie-Miller, Esq.	5	1 0	515	30·2	23·41	140	120
D	Swyncombe (Cookley House)	J. S. C. Bridge, Esq.	5	1 0	730	30·7	23·48	160	118
d	Watlington (Britwell Salome)	R. Roadnight, Esq.	5	2 0	400	...	18·91	...	...
D	Watlington (Spring Lane)	N. G. Brown, Esq.	5	1 0	360	...	19·39	162	111
D	Watlington (Cuxham)	P. J. Edwards, Esq.	5	0 10	200	...	17·82	156	115
D	Clifton Hampden (Manor House)	Lord Aldenham	5	1 0	190	23·7	19·31	156	104
D	Watlington (Pyrton Manor)	Mrs. Ducat Hamersley	5	1 0	325	26·5	19·77	152	121
d	Drayton St. Leonard (Guy's)	R. Jackson, Esq.	5	0 9	164	...	16·61	...	...
D	Wheatfield	Lt.-Col. A. V. Spencer, D.S.O.	5	0 11	260	25·6	17·83	150	115
d	Toot Baldon (Potlands)	H. J. Richens, Esq.	5	1 0	289	24·7	(18·38)	...	...
D	Wheatley (Holton Park)	E. A. Roberts, Esq.	5	1 0	280	...	18·92	155	110
D	Thame (Chiltern Grove)	H. Badger, Esq.	5	1 0	220	...	18·36	155	110
D	Forest Hill (Battlemoor Cottage)	Mrs. Spencer	5	0 10	400	...	18·37	140	111
	NORTHAMPTONSHIRE. (Area, 1,003 sq. in.)								
	1.—SEVERN. Upper Avon. 60 sq. mi.								
D	Rugby (Braunston Rectory)	Rev. H. E. Ruddy	5	1 0	385	...	19·01	156	108
D	Naseby Reservoir	Grand Union Canal Co.	5	2 0	519	25·2	20·56	179	121
	2.—THAMES. Cherwell. 77 sq. mi.								
	3.—OUSE. 148 sq. mi.								
D	Hazelborough Woods	Forestry Commission	8	1 0	441	...	(20·83)	(146)	(107)
d	Silverstone (Council School)	L. Partridge, Esq.	5	1 0	400	25·8	(24·88)	...	...
D	Wappenham (Lois Weedon Vicarage)	Rev. E. V. Fenn	5	1 2	400	...	22·00	161	113
D	Towcester (Bradden House)	Miss U. Grant-Ives	5	0 10	420	26·5	24·08	159	108
D	Towcester (Easton Neston)	The Rt. Hon. Lord Hesketh	8	1 0	325	26·6	22·98	156	107
d	Hargrave Hall	Sir K. Murchison	5	1 0	273	23·7	21·47	...	...
	4.—NENE. 622 sq. mi.								
D	Salcey Forest	Forestry Commission	8	1 3	370	26·4	21·16	169	113
D	Litchborough Rectory	Rev. W. F. Browning**	5	1 0	485	...	23·03	170	110
D	Blisworth (Grand Junction Canal)	Grand Union Canal Co.	5	4 6	300	23·8	22·68	148	119
D*	Little Houghton House	Mrs. Davidge	5	1 0	270	24·3	20·75	121	105
D	Northampton (Hardingstone Stn.)	Electric Light & Power Co.**	5	1 0	189	...	18·24	148	98
D	Northampton (General Hospital)	Secretary-Supt.*	5	1 3	258	23·5	19·40	147	108
D*	Northampton (Mental Hospital)	Medical Superintendent	8	1 2	398	24·3	19·51	158	114
D*	Northampton (Stimpson Avenue)	L. H. Brown, Esq., B.Sc., C.E.	8	1 0†	329	...	19·84	147	109
D*	Northampton (Mercers Row)	C. W. Boddington, Esq.	5	12 0	250	23·6	21·98	181	128
D*	Duston (Southfield Road)	W. P. Walker, Esq.	5	1 0	342	25·4	21·59	177	124
D	Brockhall (The Old Rectory)	Major J. Orr Ewing, M.C.	5	0 11	300	...	20·41	151	104
D	Wollaston	G. Harris, Esq.	5	1 0	250	23·0	21·18	161	122
D	Daventry (Tunnel End)	Grand Union Canal Co.	5	1 6	394	25·5	19·27	158	108
D*	Althorp Park	Head Gardener	5	1 0	400	26·1	22·49	190	125
D	Boughton Park	A. J. Old, Esq.	5	... ...	...	...	21·83	176	118
D	Wellingborough (Nene Wharf)	R. Nene Catchment Bd.	5	1 0	135	...	19·40	141	100

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† " Ground " is the roof of a reservoir 18 ft. above the general level. ** *Per* R. Nene Catchment Board.

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	NORTHAMPTONSHIRE—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	4.—NENE—(*contd.*).								
D*	Wellingborough (Swanspool)	R. Kilby, Esq.	5	1 0	187	24·3	19·84	149	110
D	Wellingborough (Sewage Works)	R. Kilby, Esq.	5	1 0	139	23·2	17·20	133	99
D§	Wellingborough (Bushfield W.W.)	R. Kilby, Esq.	8	0 11	286	23·3	21·13	154	110
d	Wellingborough Ironworks	Stanton Ironworks Co. Ltd.	5	0 7	184	...	20·16	...	...
D*	Ravensthorpe	L. H. Brown, Esq., B.Sc., C.E.	5	0 11	320	25·5	18·95	145	103
D	Great Harroden (The Hall)	L. J. Farnham, Esq.**	5	1 4	290	...	20·61	120	111
D*	Hollowell	L. H. Brown, Esq., B.Sc., C.E.	5	1 0	400	...	20·17	172	120
D	RAUNDS (Madison)	T. C. Smith, Esq.	5	1 0	193	...	20·04	160	111
D	Orlingbury Pumping Station	R. Kilby, Esq.	5	1 0	286	...	20·39	134	111
D	Lamport Grange	Lady Frederick**	5	0 6	440	26·9	24·01	188	126
D	Kettering W.W. (Cransley)	Borough Engineer	8	1 0	275	23·7	21·46	177	118
D*	Kettering (Sewage Works)	Borough Engineer	8	1 0	199	24·2	19·80	152	113
D	Kettering W.W. (Thorpe Malsor)	Borough Engineer	5	1 0	351	24·8	20·96	165	107
D	Kettering W.W. (Clover Hill)	Borough Engineer	5	1 0	344	24·2	18·88	145	110
D	Thrapston (Drayton House)	Mr. C. V. Craske	5	1 6	220	24·7	21·39	172	114
D	Tichmarsh Rectory	Rev. Canon A. M. Luckock*	5	1 0	170	23·9	22·31	156	115
D	Rothwell (Shotwell Mill W.W.)	Surveyor U.D.C.	5	1 5	325	23·6	21·21	165	117
D	Desborough U.D.C. Waterworks	A. Harris, Esq., C.E.	5	0 9	457	24·7	20·27	152	118
d	Barnwell (Lilford Hall)	Lord Lilford	8	1 0	100	23·8	20·70	...	...
d	Oundle (Nene Wharf)	R. Nene Catchment Board	5	1 0	65	...	20·50	...	...
D	Corby	Messrs. Stewarts & Lloyds**	5	1 0	365	...	21·97	182	117
d	Peterborough (Woodston)	British Sugar Corpn. Ltd.	5	1 0	35	22·3	19·77	...	...
D	Peterborough (Westbourne House)	E. H. Colman, Esq.	5	1 0	35	21·6	20·09	150	102
D	Peterborough (Sewage P.S.) (+A)	F. J. Smith, Esq., C.E.	8	0 10	9	...	19·33	131	102
D	PETERBOROUGH (Park Crescent)	J. H. Avery, Esq.	5	1 0	30	...	20·47	142	102
D*	Peterborough (Abbeyfields)	Major J. Shipley Ellis, J.P.	5	1 0	49	21·8	19·51	158	106
d	Wittering (Bone Mill)	E. Betts, Esq.	8	1 0	183	23·5	18·85	...	102
D	WITTERING (Airfield) (+A)	Meteorological Office	5	1 0	261	...	19·88	150	109
	5.—WELLAND. 96 sq. mi.								
d	Gretton (Hillside)	W. Leeson, Esq.	5	1 0	275	...	20·61	...	...
d	Easton-on-the-Hill	W. H. Tillson, Esq.	5	0 7	290	23·5	17·51	...	...
D	Market Deeping (Etton)	F. J. Smith, Esq., C.E.	8	1 0	25	21·8	15·60	126	94
	HUNTINGDONSHIRE. (Area, 366 sq. mi.)								
	1.—OUSE. 327 sq. mi.								
D	St. Neots (The Square)	Miss L. Sibley	5	0 10	50	21·9	17·86	142	108
D	Godmanchester (Vicarage)	Rev. R. Gardner	5	1 0	35	...	18·53	154	103
D	Brampton School	W. T. Carter, Esq.	5	1 3	30	22·3	19·32	142	110
D	Hemingford Grey	F. W. Norris, Esq.	5	2 0	20	21·9	18·70	138	106
D	St. Ives (Tenterleas)†	Dr. W. R. Grove	5	1 0	25	22·6	20·41	149	107
D	Bluntisham Rectory	Rev. R. F. McNeile	5	1 0	50	...	20·91	145	107
D	Abbot's Ripton Hall	G. McLeod, Esq., C.E.	5	1 6	80	...	19·19	112	101
D	Connington Castle Gardens	G. McLeod, Esq., C.E.	5	1 6	15	...	19·85	132	112
D	Benwick (Four Hundred Farm)	G. McLeod, Esq., C.E.	5	1 0	0	...	17·85	153	101
D	Whittlesea Mere	G. McLeod, Esq., C.E.	8	1 6	10	21·4	17·19	142	103
	2.—NENE. 39 sq. mi.								

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** *Per* R. Nene Catchment Board. § Turf wall round gauge.

† Station formerly called St. Ives (Slepe House).

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	BEDFORDSHIRE. (Area, 467 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—THAMES. Colne. 20 sq. mi.								
D	Studham Hall	A. S. Butler, Esq.	5	1 0	636	...	22·68	169	124
D	WHIPSNADE (Park)	Zoological Society	5	1 0	720	28·7	24·76	164	127
	2.—THAMES. Lea. 32 sq. mi.								
D	Dunstable (Water Works)	Dunstable Gas & Water Co.	5	1 0	520	...	21·40	155	116
d	Dunstable (Cemetery)	G. Ashton, Esq., C.E.	8	1 3	515	...	20·21	162	112
D	Dunstable (Cement Works)	Works Manager	8	1 0	430	...	19·51	157	111
D	LUTON (Wardown Park)	Borough Engineer	5	1 0	381	...	20·28	137	105
	3.—OUSE. 408 sq. mi.								
D	Luton (Stopsley)	Lee Conservancy Catchm. Bd.	5	1 0	540	25·7	21·64	134	103
D	DUNSTABLE	Meteorological Office	5	1 0	516	...	19·62	155	107
D	Leighton Buzzard (Heath Road)	Gt. Ouse Catchment Bd.	5	1 0	250	...	20·76	188	110
D	Battlesden P.S.	Bucks. Water Board	8	1 0	358	...	20·61	139	104
D	Meppershall (High Street)	Mrs. G. Rainbow	5	1 0	250	22·9	18·95	132	106
D	Hockliffe (Lyndhurst)	C. J. Kilby, Esq.	5	1 0	241	25·0	19·91	136	98
D	WOBURN (Experimental Farm)	Lawes Agricultural Trust	8	1 0	291	23·9	18·47	162	108
D	Letchworth (New Sewage Works)	Surveyor, U.D.C.	5	1 0	209	22·3	16·53	134	96
	Stotfold (Three Co. Mental Hosp.)	Dr. McDiarmid	5	1 0	220	22·6	16·99	...	...
d	Silsoe (The Red House)	H. I. Godfrey, Esq.	5	1 0	212	22·2	17·03	...	...
D	Arlesey Sewage Works	Gt. Ouse Catchment Bd.	5	1 2	133	22·4	18·89	143	99
D	Stotfold Sewage Works	H. W. Pridmore, Esq.	5	1 0	130	...	18·33	140	98
d	Shefford (Clifton)	W. Inskip, Esq.	5	1 0	137	22·5	18·03	...	105
	Shefford (Clifton Bury)	C. H. Inskip, Esq.	5	1 6	90	22·2	17·21	...	...
D	Biggleswade (New Spring P.S.)	T. A. Staniforth, Esq.	5	1 6	180	21·6	16·73	143	92
D	CRANFIELD (+A)	Meteorological Office	5	1 0	340	...	16·57	150	108
	Kempston	Mr. C. S. Payne	6	2 0	125	...	19·73	...	...
d	Potton Sewage Works	H. W. Pridmore, Esq.	5	1 0	116	21·7	(17·82)	...	...
D	Sandy (Mogerhanger Park)	Dr. C. G. Welch	5	1 0	152	23·1	17·80	123	99
D	Sandy (Sewage Works)	Sandy U.D.C.	5	1 0	72	...	16·89	141	107
D	Bedford (Castle Road)	Miss M. E. Newbery	5	4 6	100	22·3	19·08	151	110
d	Bedford (Queens Park)	J. K. Rothwell, Esq.	5	1 0	92	...	19·84	...	...
D	Bedford (Bedford Park) (+A)	Borough Engineer	8	1 3	117	...	18·54	160	108
D	Goldington (Castle Mill House)	G. A. Rogers, Esq.	5	1 6	75	21·9	18·01	151	108
d	Bromham (Park House)	Mrs. Hulse	5	1 0	170	...	20·16	...	99
D	Turvey Rectory	Rev. C. A. B. Allen	5	1 0	160	...	18·85	160	107
D	Great Barford House	J. Arnold Whitchurch, Esq.	5	1 6	120	22·1	18·83	143	110
d	Pavenham	C. D. Linnell, Esq.	5	0 11	200	22·4	20·79	...	...
D	Carlton (Stayesmore Manor)	Col. G. A. Battcock	5	1 0	168	...	19·52	146	114
	4.—NENE. 7 sq. mi.								
	CAMBRIDGESHIRE. (Area, 863 sq. mi.)								
	1.—STOUR. 17 sq. mi.								
	2.—OUSE. 741 sq. mi.								
D	Ashwell (Odsey)	W. Herbert Fordham, Esq.	5	2 0	256	23·0	18·26	151	92
d	Abington Pigotts Hall	G. de Courcy-Ireland, Esq.	5	1 0	75	21·8	18·86	...	...
D	Melbourn (The County School)	W. Ogden, Esq.	5	1 4	85	...	18·23	142	92
D	Horseheath (Rose Farm)	B. Tabram, Esq.	5	1 0	320	...	23·05	154	102
D	Hildersham (Old Mill House)	Lt.-Col. O. B. Foster	5	1 4	108	...	21·40	153	110
D	Grantchester (Lyndewode)	J. Nutter, Esq.	5	1 0	31	22·6	17·61	126	92
D	Fulbourn (Fleam Dyke)	Cambridge W.W. Co.	5	1 0	99	23·0	18·52	167	99
D	Fulbourn (Cambridge Mental Hosp.)	Head Gardener	5	0 6	72	...	18·49	129	101
D	Cambridge (Barrow Road)	N. T. Myers, Esq.	8	0 9	47	23·8	19·92	142	93

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	CAMBRIDGESHIRE—(*contd.*).		*in.*	*ft.*	*in.*	*ft.*	*in.*	*in.*		
	2.—OUSE—(*contd.*).									
D	Cambridge (33 Barrow Road)	Rev. H. C. Newbery	5	1	6	45	...	19·31	149	89
D	Cambridge (Corporation Store Yd.)	Borough Engineer	5	1	8	52	21·2	17·76	142	89
D	Cambridge (Botanic Gardens)	Curator	5	1	1	41	21·8	19·31	153	104
d	Cambridge (Trumpington Rd.)	Canon H. J. E. Burrell	5	1	6	25	...	18·51	...	...
D	Cambridge (Corporation P.S.)	Borough Engineer	5	1	0	42	22·1	18·55	148	94
d	Cambridge (Coldhams Lane)	Gt. Ouse Catchment Bd.	5	1	3	30	...	18·59	142	93
D	Cambridge (Oxford Road)	J. Doggett, Esq.	5	1	0	62	...	20·71	147	102
d	Dullingham (Stetchworth Park)	Mr. H. Fern	5	1	0	270	...	19·03	...	...
D	Quy Hall	Lt.-Col. J. G. W. Francis	5	0	9	23	22·6	19·27	148	105
D	Boxworth (Manor House)	Lt.-Col. E. B. Thornhill, M.C.	5	1	0	76	23·4	21·24	187	114
D	Waterbeach (Bottisham Lock)	Gt. Ouse Catchment Bd.	5	1	7	10	...	16·39	135	92
D	Cottenham (Bernard House)	Miss K. Bull	5	1	6	30	22·1	20·15	168	106
D	Fordham (London House)	W. V. Bloom, Esq.	5	1	0	30	21·4	16·99	121	99
D	Stretham Engine	C. O. Clarke, Esq.	5	1	0	13	21·2	17·88	137	98
D	Ely (Prickwillow)	Supt. Middle Fen Comm.	...	...	...	10	...	18·61	134	100
D	Littleport (Highfield House)	H. G. Martin, Esq.	8	4	0	67	21·3	17·53	123	97
D	Chatteris (The Vicarage)	Rev. J. C. Hawthorn	5	1	0	30	...	19·28	169	108
D	Chatteris (Cemetery)	G. McLeod, Esq., C.E.	5	1	0	25	...	20·02	130	98
D	Whittlesey (Ashline Sluice)	G. McLeod, Esq., C.E.	5	1	0	15	...	18·10	108	99
D	March	G. McLeod, Esq., C.E.	9	2	0	10	22·8	20·86	120	103
D	Upwell (Marmont Priory Lock)	G. McLeod, Esq., C.E.	8	1	1	10	20·6	18·11	149	91
	3.—NENE. 105 sq. mi.									
D	Standground Sluice	G. McLeod, Esq., C.E.	8	1	6	15	21·7	19·75	159	404
D	Thorney Toll (Elm Tree Farm)	Mrs. Snushall	5	2	6	6	...	19·89	126	100
D	Thorney (Nutsgrove Farm)	T. R. Pick, Esq.	5	0	5	12	...	18·38	129	90
D	Parson Drove (Clows Cross)	J. C. Purser, Esq.	8	1	0	6	22·1	18·24	133	94
D	Wisbech (Queens Road)	C. Dann, Esq.	5	1	6	10	23·0	18·67	145	98
D	Wisbech (Tydd Manor)	A. H. Carter, Esq.	5	6	6	9	...	16·81	117	98

DIVISION IV—EASTERN COUNTIES

	ESSEX. (Area, 1,532 sq. mi.)									
	1.—THAMES. Lea. 132 sq. mi.									
D	West Ham (Abbey Mills)	London County Council	8	0	8	15	22·3	21·98	113	91
D	Lea Bridge (Waterworks)	Met. Water Board	5	1	0	23	*22·0*	20·75	116	97
D	Walthamstow (Ferry Lane)	Met. Water Board	5	1	0	30	22·6	19·02	119	92
D*	Woodford (Haggar Lane)	Met. Water Board	8	1	0	176	23·0	26·96	128	108
D*	Buckhurst Hill Reservoir	Met. Water Board	5	1	0	275	*23·9*	21·04	142	105
D	Chingford (Beresford Road)	H. Hawkins, Esq.	5	0	10	150	...	20·22	149	104
D	Chingford (Crescent Road)	Miss M. L. Mathieson	5	1	0	200	*23·3*	20·89	134	103
D	Chingford Mill	Met. Water Board	5	1	0	40	*23·0*	19·98	126	95
D	Loughton (High Beech Res.)	Met. Water Board	8	1	0	376	*25·1*	22·06	136	110
D	Waltham Abbey (Rammey Marsh)	Met. Water Board	5	1	0	60	*23·4*	20·61	134	96
D	Waltham Abbey (Pumping Stn.)	Met. Water Board	5	1	8	62	23·3	20·77	133	95
d	Waltham Abbey (Gunpr. Factory)	Superintendent	5	1	0	64	...	20·22	...	...
d	Harlow (Hill House)	Capt. T. M. Illingworth	5	1	0	175	...	18·87	...	...
D	Spellbrook Lock	Lee Conservancy Catchm. Bd.	5	0	9	172	...	21·74	120	100
D	Hatfield Broad Oak (Barrington)	A. H. Gosling, Esq.	5	0	10	300	24·3	24·08	144	110
D	Stansted Nurseries	C. G. Hill Smith, Esq.	5	1	0	250	...	23·32	132	106
	Stansted (Hassobury)	Major W. S. Gosling	5	0	10	290	*25·0*	24·01?	...	...
	Stansted (Bentfield Place)	Major W. S. Gosling	5	0	9	300	*24·6*	23·19	...	...

* Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	ESSEX—(*contd.*).			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—THAMES. Roding & c. 316 sq. mi.									
D	Grays (Sewage Works)		Manager	8	2 0	9	*20·3*	17·85	131	80
d	Tilbury (Beaconsfield Road)		G. F. Andrassy, Esq., C.E.	5	1 0	6	*20·2*	17·91	...	77
D	Purfleet		Thames Board Mills, Ltd.	8	1 0	4	...	19·19	138	90
D	Rainham (Riverside Sewage Wks.)		Dagenham U.D.C.	5	1 6	0	19·3	17·00	137	89
D	Orsett Hall		Col. F. H. D. C. Whitmore	8	1 2	80	...	18·17	123	91
D	Barking		Engineer and Surveyor	5	1 0	5	...	18·77	131	92
D	East Ham (Central Park)		Corporation	8	1 0	15	22·3	18·35	122	84
d	East Ham Well		Met. Water Board	5	1 0	17	21·6	18·65	...	...
D	Canvey Island		Engineer & Surveyor	5	1 0	9	...	16·86	121	89
D	Ilford (Loxford Park)		L. E. J. Reynolds, Esq., C.E.	5	1 0	30	...	20·22	139	94
D	Ilford (Goodmayes Park)		L. E. J. Reynolds, Esq., C.E.	5	1 0	38	...	19·33	135	91
D	Ilford (Valentines Park)	(+A)	L. E. J. Reynolds, Esq., C.E.	5	1 0	43	...	18·77	147	89
D	Ilford (Clayhall Park)		L. E. J. Reynolds, Esq., C.E.	5	1 0	109	...	20·13	135	103
d	Ilford (Barkingside)		N. Twydell, Esq.	5	1 0	85	...	18·71	...	...
D	Ilford (Hainault Rec. Ground)		L. E. J. Reynolds, Esq., C.E.	5	1 0	105	...	19·80	141	98
D	Southend (The Cliffs)		The Piermaster	8	0 8	90	...	17·69	134	88
D	Southend (Waterworks)		Southend Waterworks Co.	8	1 0	112	20·3	16·70	134	84
D	Vange Pumping Station		Southend Waterworks Co.	5	1 0	43	...	17·63	130	87
d	Manor Park (City of London Cemy.)		Superintendent	5	0 6	50	22·4	18·46	...	...
d	Pitsea Pumping Station		Southend Waterworks Co.	5	1 0	28	*20·6*	19·76	128	93
D	Horndon (Eastern Sewage Works)		Hornchurch U.D.C.	8	1 3	23	*20·5*	17·99	115	81
D	Hornchurch		Hornchurch U.D.C.	8	1 0	44	*21·0*	18·80	139	92
D	Wanstead (Red Bridge)		Met. Water Board	5	1 0	25	22·8	19·26	129	92
D	Romford (Raphael Park)		Engineer & Surveyor	5	1 0	100	...	18·53	136	94
D	Havering-atte-Bower (Fernside)		E. W. Smith, Esq.	5	1 0	340	*25·8*	20·79	146	108
D	Brentwood (Senior School)		Headmaster	5	1 0	396	...	18·29	144	90
D	Brentwood (Coxtie Green)		C. W. Gardner, Esq.	8	... ...	...	...	18·36	117	98
D	Loughton (The Summit)		Mrs. Stoker	5	0 9	314	...	(22·13)	144	106
D	Theydon Bois (Thrifts Hill)		H. Kemsley, Esq.	5	1 0	274	*23·6*	19·34	126	99
d	Theydon Bois (Birch Hall)		Lt.-Col. E. N. Buxton	5	0 11	300	*23·8*	20·77	...	99
D	Epping (Bower Hill)		F. C. Pasmore, Esq.	5	1 3	210	...	19·94	124	97
d	Ongar (Wilderness House)		Wing Cdr. D. A. J. Buxton	5	0 10	175	...	19·32	...	...
D	North Weald (Canes)		G. Hart, Esq.	5	1 0	250	*24·2*	21·54	141	112
d	Great Canfield		G. Eland, Esq.	5	1 0	300	...	22·02	...	99
	3.—CROUCH. 186 sq. mi.									
	Southend (Southchurch Boulevard)		H. J. G. Ralph, Esq.	8	1 0	66	*21·0*	18·14	...	...
D	Shoeburyness		Meteorological Office	5	1 0	11	19·8	18·47	120	84
d	Southchurch (Barling Road)		C. E. Smith, Esq.	5	1 6	25	...	19·39	...	84
D	Leigh (Brick House)		Miss I. Bentall	5	0 10	136	...	17·35	129	93
D	Eastwood Pumping Station		Southend Waterworks Co.	8	1 0	50	*21·0*	19·46	153	91
D	Thundersley Reservoir		Southend Waterworks Co.	5	1 0	277	*21·3*	19·26	132	94
D	Foulness Is. (Small Gains Farm)		D. B. Smith, Esq.	5	0 6	0	...	19·92	128	92
D	Rayleigh (The Chestnuts)		Miss E. I. Chant	5	1 0	142	...	19·88	121	94
D	Billericay (Service Tank)		Southend Waterworks Co.	5	1 0	310	...	18·15	135	94
d	Billericay (Ramsden Hall)		T. W. Bacon, Esq.	5	0 9	260	*23·8*	20·65	...	94
	4.—BLACKWATER. 425 sq. mi.									
D	Hutton (Greenway)		H. C. Mills, Esq., F.C.I.S.	5	1 6	325	...	20·24	156	100
D	Ingatestone (Trueloves)		Mr. F. W. Mann	5	1 0	249	*23·1*	19·53	142	93
d	Chelmsford (Galleywood)		W. Lawrence Taylor, Esq.	8	1 0	200	...	20·64	...	...
D	Chelmsford (Longstomps Res.)		Water Engineer	5	1 0	230	...	19·58	145	95
D	Bradwell-on-Sea (Bellropes)		H. D. Chillingworth, Esq.	5	1 6	75	20·5	17·67	101	76
D	Writtle (Inst. of Agric.)		Executive Officer (E.W.A.E.C.)	5	1 0	110	...	20·00	130	94

DIVISION IV—EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	ESSEX—(*contd.*).			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—BLACKWATER—(*contd.*).									
D	MALDON		Town Clerk	5	1 0	14	*20·0*	17·33	128	90
D	Chelmsford (New Writtle Street)		Essex Rivers Catchm. Bd.	8	1 0	89	...	19·42	129	95
D	Hatfield Peverel (Rushes Lock)		Southend Waterworks Co.	8	1 6	40	...	20·27	162	97
D	Langford (Treatment Plant)		Southend Waterworks Co.	8	1 5	40	*21·8*	19·14	133	90
d	Witham (Wickham Hall)		D. B. Smith, Esq.	5	0 10	60	*20·8*	20·43	...	92
D	Hatfield Peverel (Lower Farm)		H. J. Russel, Esq.	5	1 0	101	...	20·36	116	91
d	Hatfield Peverel (Bury Farm)		W. D. Goldsmith, Esq.	5	1 0	130	...	19·70	123	93
D	Tolleshunt D'Arcy (D'Arcy Hall)		C. Weston Eve, Esq.	5	1 0	85	...	18·91	142	90
D	Tolleshunt D'Arcy (Oxley Hill)		H. Campkin, Esq.	5	1 0	100	*22·0*	18·54	147	92
D	Witham (Faulkbourne Hall)		Mrs. C. W. Parker	5	1 0	100	*21·9*	23·03	112	90
D	Little Leighs (Kelle)		W. C. Neild, Esq.	5	1 2	192	*22·3*	22·83	118	90
d	Kelvedon (Harboro Hall)		A. Bevington Smith, Esq.	5	1 0	200	...	20·96	...	80
D	Kelvedon (Messing Street)		Mrs. Calver	5	2 1	120	...	20·59	110	89
	Rivenhall (Park Gate Farm)		Joseph Smith (Farms) Ltd.	5	1 0	149	...	23·16	...	...
D	Felsted School		Headmaster	5	1 0	248	*22·9*	24·59	143	100
D	Little Dunmow (Throws)		Mrs. D. C. Hasler	5	0 9	276	...	23·73	132	106
D	Rayne (Staneway)		Mrs. Burt	5	1 0	247	*23·0*	23·56	133	96
d	Braintree (Coggeshall Road)		A. F. Gunn, Esq.	5	1 0	222	...	26·49	135	98
d	Great Bardfield (South Lodge)		G. H. Brunwin, Esq.	5	1 0	250	*23·2*	22·75	...	...
	5.—COLNE & c. 283 sq. mi.									
d	St. Osyth (Wigborough Wick)		P. B. Smith, Esq.	5	1 6	10	*19·3*	17·90	...	85
D	CLACTON-ON-SEA (Hospital Site)		The Town Clerk	5	1 0	68	20·5	18·13	133	90
D	Clacton-on-Sea (King's Road)		W. Tomlin, Esq.	5	1 0	45	...	18·13	126	92
D	Great Clacton (Clay Hall)		Miss E. A. Smith	5	1 0	45	*20·4*	18·22	122	87
D	Tiptree W.W.		S. Essex Waterworks Co.	5	1 0	239	...	19·84	139	89
D	Little Holland (The Sluice House)		Essex Rivers Catchm. Board	5	1 0	7	...	19·41	130	94
D	Colchester (Layer-de-la-Haye)		S. Essex Waterworks Co.	5	1 0	145	...	19·29	126	82
D	WALTON-ON-NAZE		Engineer and Surveyor	5	1 0	35	*20·2*	19·04	131	89
D	Colchester (Hythe Gas Works)		Colchester Gas Co.	8	1 1	0	*22·0*	18·44	113	81
D	Colchester (Castle Park)		H. Collins, Esq., C.E.	8	1 2	87	...	19·07	143	87
D	Colchester (Waterworks)	(+A)	H. Collins, Esq., C.E.	8	1 0	38	...	19·89	132	93
d	Lexden (Cherrywood)		P. W. Partridge, Esq.	5	1 0	120	...	19·73	...	91
D	Lexden (Hill House)		S. F. Hurnard, Esq.	5	1 0	90	...	19·57	127	87
D	EARLS COLNE (Grammar School)		Headmaster	5	1 0	160	...	25·76	136	100
D	Halstead (Attwoods)		R. E. Vaizey, Esq.	5	1 6	200	*23·6*	25·08	143	97
D	HALSTEAD (The Brewery)		F. N. Adams, Esq.	5	1 0	140	23·0	23·36	134	93
D	Sible Hedingham (Hovis Mill Farm)		A. A. Geater, Esq.	5	1 3	115	...	23·84	145	103
D	Great Yeldham (Craigs)		V. G. Walker-Cooke, Esq.	5	1 3	317	...	21·64	145	104
D	Great Yeldham Hall		G. A. Goodchild, Esq.	5	1 6	80	23·1	21·66	139	103
	6.—STOUR. 110 sq. mi.									
D	DOVERCOURT		Borough Surveyor, Harwich	5	1 0	47	21·1	18·79	123	86
D	Mistley (The Maltings)		Messrs. Brooks (Mistley), Ltd.	8	1 0	25	22·2	18·09	113	80
d	Nayland (Boxted Lodge)		R. Stour (Essex & Suff.) C. Bd.	5	1 2	160	...	18·74	...	...
d	Nayland (Boxted)		Messrs. Carter & Blewitt, Ltd.	5	1 0	154	...	19·68	...	...
D	Langham Waterworks		S. Essex Waterworks Co.	5	1 0	44	*22·0*	17·19	136	83
	7.—OUSE. 80 sq. mi.									
D	Quendon (Rickling)		Messrs Tinney & Hitchcock	5	1 0	325	...	21·31	131	96
D	Saffron Walden (Debden Road)		A. Marsh, Esq.	5	1 0	305	...	20·16	144	96
D	Saffron Walden (Bridge End)		R. A. Strong, Esq.	5	2 0	200	...	19·48	144	90
D	Saffron Walden (Ashdon Coun. Sch.)		Headmaster	5	1 0	211	...	21·89	148	96

DIVISION IV—EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	SUFFOLK. (Area, 1,489 sq. mi.)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	1.—STOUR. 271 sq. mi.								
D	East Bergholt (Ackworth House)	A. Harwood, Esq.	8	1 0	145	...	20·85	126	89
D	Sudbury (Edwardstone)	R. Stour (Essex & Suff.) C.Bd.	5	1 0	185	...	20·93	130	100
d	Sudbury (Modern Sec. School)	H. C. Grant, Esq., B.Sc.	5	1 0	150	...	18·84?	...	...
D	Hadleigh (Penlands)	E. A. Lee, Esq.	5	1 0	185	24·4	20·65	159	102
D	Haverhill Waterworks	J. H. Clarke, Esq.	8	0 9	280	...	20·35	119	98
D	Long Melford (Westgate Ho.)	K. F. Colvile, Esq.	5	1 0	146	23·5	20·22	142	98
d	Long Melford (Stafford Works)	R. Stour (Essex & Suff.) C.Bd.	5	3 0	103	...	19·41	...	...
D	Boxted Hall	R. Stour (Essex & Suff.) C. Bd.	5	1 0	160	...	20·90	134	101
D	Alpheton	R. Stour (Essex & Suff.) C.Bd.	5	1 1	273	...	20·24	128	106
	2.—ORWELL. 166 sq. mi.								
D	Trimley (The Avenue)	R. L. T. Clarkson, Esq.	5	1 0	72	...	21·93	164	82
D	IPSWICH (BELSTEAD HALL)	(+A) Richard Wilson, Esq.	5	1 0	123	...	18·32	135	93
d	Ipswich (Upton Lodge)	E. Suffolk Riv. Catch. Bd.	5	1 0	77	...	19·50	...	...
D	‖Ipswich (Museum)	F. M. Cullum, Esq.	8	1 2	72	*23·5*	19·34	143	92
D	Elmsett (Laurel Cottage)	Miss C. E. Ladbrook	5	3 6	310	*23·8*	19·48	128	84
d	Nettlestead (High Hall)	A. S. Collett, Esq.	5	1 7	236	23·4	20·69	...	...
D	Coddenham (Cousins Hill)	Miss Tidswell	5	0 4	160	...	22·02	141	107
D	Haughley (New Bells Farm)	Lady Eve Balfour	5	1 0	210	...	18·59	133	95
	3.—DEBEN & C. 466 sq. mi.								
D	FELIXSTOWE (Airfield)	(+A) Meteorological Office	5	1 0	10	...	18·33	132	87
D	Hollesley P.S.	E. Suffolk Riv. Catch. Bd.	5	1 0	11	...	19·98	148	89
D	Waldringfield	Mrs. B. R. M. Glossop	5	1 0	70	*23·8*	20·48	124	94
D	Ipswich (Daleacre)	C. Harrison-Jones, Esq.	5	1 2	140	...	21·19	164	100
d	Woodbridge (Little Bealings)	Capt. Guy Lemprière	5	0 9	100	...	20·38	...	...
D	Great Bealings (The Croft)	Admiral E. F. Bruen, C.B.	5	0 7	50	...	21·28	144	105
D	Woodbridge (Warren Hill Road)	Mrs. J. B. Martin	5	1 0	100	...	20·00	123	86
D	Melton (Greylands)	Miss Jervis-White-Jervis	5	1 6	50	*24·3*	21·09	139	91
D	Melton (St. Audry's Hospital)	Clerk and Steward	5	1 0	90	*23·8*	20·23	119	89
D	Grundisburgh (Bridge House)	Mrs. Armstrong	5	1 1	50	...	20·77	137	97
D	Grundisburgh (Green Bank)	R. O. J. Dallmeyer, Esq.	5	1 0	100	...	21·04	118	87
D	Campsea Ashe (High House)	Viscount Ullswater, G.C.B.	8	1 0	60	*23·0*	18·69	123	95
	Charsfield (Red House)	Hugh P. Youngman, Esq.	5	1 9	150	*24·1*	20·26	...	...
D	Blaxhall	R. H. Sherwood, Esq.	5	1 0	50	*23·4*	22·22	133	96
D	§Aldeburgh (Iken Way)	G. E. Sunderland-Taylor, Esq	...	... ...	10	...	20·96	136	92
D	Saxmundham	M. F. Jennings, Esq.	5	0 5	95	...	20·75	130	104
d	Saxmundham Expt'l. Station	E. Suffolk Education Com.	5	0 6	100	...	19·29	...	...
D	Leiston (St. Mary's Abbey)	Miss M. K. Rope	5	1 0	30	...	18·05	118	94
D	Southwold	H. A. Liquorish, Esq.	8	1 0	0	...	17·13	109	94
	4.—YARE & C. 208 sq. mi.								
d	Harleston (Mendham Mills)	D. Connell, Esq.	5	1 0	49	...	16·88	...	90
D	BUNGAY (FLIXTON HALL)	Sir Shafto Adair, Bart.	5	1 0	79	*23·4*	17·95	133	92
D	LOWESTOFT (Secondary School)	Town Clerk	5	1 0	82	*23·5*	17·16	130	92
D	Herringfleet House	G. H. Wyllys, Esq.	5	1 0	55	*25·2*	19·28	154	105
D	Lound Pumping Station	Lowestoft Water & Gas Co.	8	1 0	33	*24·0*	17·17	131	100
d	Hopton (Hopton House)	Col. F. E. Walker, D.S.O.	5	1 2	100	...	16·72	...	...
d	Fritton Warren	Miss V. M. Upcher	5	1 0	42	*25·9*	17·85	...	93
D	Fritton Hall	Mr. F. Read	8	0 11	30	*24·7*	18·21	130	102
	5.—OUSE. 378 sq. mi.								
D	Bury St. Edmunds (Corp. Depot)	(+A) Borough Engineer	8	2 0	181	...	19·75	148	94
D	Newmarket (Sewage Outfall)	F. B. Waterfall, Esq.	5	1 0	81	23·2	18·68	121	97
D	Bury St. Edmunds (Westley Hall)	Mrs. Burrell	5	1 0	226	25·1	21·13	124	117

§ Turf wall round gauge. ‖ Gauge oversheltered.

DIVISION IV—EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	SUFFOLK— *contd.*).		*in.*	*ft.*	*in.* *ft.*	*in.*	*In.*		
	5.—OUSE—(*contd.*).								
d	Bury St. Edmunds (Barton Lodge)	Mrs. S. Cox	5	1	0 200	...	19·53	...	89
D	Hengrave Hall	Sir John Wood, Bart.	5	1	5 85	*22·9*	19·41	133	104
D	Bury St. Edmunds (Troston Hall)	F. S. Beauford, Esq.	5	1	0 130	*23·0*	20·34	164	104
D	MILDENHALL (Airfield) (+A)	Meteorological Office	8	1	0 15	...	16·17	145	90
D	Mildenhall	Gt. Ouse Catchment Bd.	5	1	3 33	...	17·54	162	101
D	Isleham Lock	Gt. Ouse Catchment Bd.	5	5	2 10	...	16·50	132	100
	Barningham (The Beeches)	Miss A. K. Lingwood	5	0	9 136	*22·6*	17·15	...	...
D	Elveden Hall	The Earl of Iveagh, C.B.	5	1	0 130	*23·9*	17·45	157	98
D	Brandon (SANTON DOWNHAM)	Forestry Commission	5	1	0 99	...	19·47	146	103
	NORFOLK. (Area, 2,041 sq. mi.)								
	1.—YARE. 658 sq. mi.								
D	Diss (Roydon)	R. S. Copeman, Esq.	5	1	0 140	...	17·93	143	105
D	Diss (Bressingham Hall)	A. H. V. Bloom, Esq.	5	1	10 96	...	17·65	125	90
D	Pulham St. Mary (Brook House)	E. Beevor, Esq.	5	1	0 125	...	17·18	150	97
	Harleston (Starston)	A. L. Taylor, Esq.	5	0	10 120	...	17·09	143	91
D	Pulham St. Mary (Hill House)	W. G. Rutter, Esq.	5	1	0 120	24·7	16·90	145	90
D	Ditchingham	W. G. Rutter, Esq.	5	1	0 25	23·9	17·86	135	93
D	Ashwellthorpe (Tacolneston Hall)	C. H. Walter, Esq.	5	0	9 200	...	18·50	137	103
D	Beccles (Raveningham Hall)	Lady Bacon	5	1	6 60	24·6	17·80	131	87
D	Hapton Parsonage	Lt.-Col. H. C. Copeman	5	1	0 120	...	15·99	130	97
D	Loddon (Chedgrave Manor)	F. J. Cannell, Esq.	5	2	2 21	24·2	15·69	114	89
D	Wymondham	J. B. Pomeroy, Esq.	5	1	3 118	...	19·53	145	110
D	Ketteringham	Mrs. E. Boileau	5	1	0 100	...	17·41	129	107
	Hardingham Hall	Col. B. M. Edwards*	...	...	... 100	...	19·34	...	...
D	GORLESTON (C.G. Station)	Station Officer (M.O.)	8	1	0 5	24·5	16·64	118	90
D	Norwich (Carrow Abbey Gdns.)	The Misses Colman	5	1	0 40	25·2	18·67	127	103
D	NORWICH (Southwell Lodge)	J. H. Willis, Esq.	5	1	0 110	25·9	19·79	158	102
D	Norwich (City Cemetery)	L. Alan Jewell, Esq.	5	1	2 93	25·5	18·84	139	99
D	Thorpe St. Andrew (Pine Banks)	H. J. Jarrold, Esq.	5	1	7 140	...	18·65	131	98
	Norwich (Marlingford Hall)	Major E. H. Evans-Lombe	5	1	0 50	26·9	17·44	...	...
	Great Fransham	Sir Stephen Renshaw	5	1	0 230	...	22·07	157	109
	Sprowston (Oak Lodge)	A. Cozens-Hardy, Esq.*	5	1	0 100	25·2	18·06	...	...
D	East Dereham (The Laboratory)	Leonard A. Pett, Esq.	5	1	1 300	...	19·05	140	92
D	WEST RAYNHAM	Meteorological Office	5	1	0 240	...	19·55	157	106
D	Cawston (New Street)	N. B. Howard, Esq.	5	0	8 148	26·6	18·94	154	106
D	Fakenham (Wells Road)	W. H. Fisher, Esq.	5	3	0 9	...	21·56	134	105
	2.—YARE. Bure & c. 368 sq. mi.								
D	Norwich (SPROWSTON, Church Farm)	Director, Norfolk Ag. Stn.	5	1	0 93	25·7	18·28	150	106
D	Horsham St. Faith (Airfield)	Meteorological Office	5	1	0 95	...	16·28	140	91
D	Yarmouth (Ormesby St. Michael)	Gt. Yarmouth W.W. Co.	8	1	0 22	26·2	17·46	173	92
D	Yarmouth (Scratby)	Harvey Palmer, Esq.	5	1	0 70	...	16·62	132	95
D	Horning (Pumping Station)	Gt. Yarmouth W.W. Co.	8	1	0 9	...	18·13	131	97
D	Wroxham (Hoveton House)	Mrs. I. C. Blofeld	5	1	4 100	...	19·20	116	104
d	Wroxham (Hoveton Home Farm)	T. R. C. Blofeld, Esq.	5	0	9 32	...	17·98	...	...
D	Haynford (Grove Cottage)	J. C. Harrison, Esq.	5	0	7 50	...	18·79	120	98
	Hevingham (Rippon Hall)	Rev. A. F. Marsham*	5	0	7 90	26·4	20·86	...	...
	Aylsham (Woodgate House)	Lt.-Col. P. W. Purdy*	5	1	0 100	...	20·27	...	...
D	Worstead (Lyngate Cottage)	G. Cross, Esq.	8	1	6 50	26·5	19·25	148	108
D	Aylsham (The Mount)	Dr. C. L. Maingay	5	1	0 90	...	21·35	154	107
D	Aylsham (Wilderness)	Mrs. J. Peed	5	1	0 80	...	21·13	137	112
D	Aylsham (Mill House)	R. L. Rust, Esq.	5	1	0 50	...	19·91	126	97
D	Blickling Rectory	J. W. Montgomery, Esq.	5	1	2 90	...	20·73	150	103
D	North Walsham (Worstead Lodge)	Lt.-Col. W. H. Besant	5	3	0 170	...	19·09	143	98
D	Melton Constable Park	Head Gardener	8	0	11 287	...	21·78	162	133

* *Per* Norfolk Rainfall Organization.

DIVISION IV—EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	NORFOLK—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—STIFFKEYS & C. 290 sq. mi.								
D	Sandringham House Gardens	Mr. C. H. Cook	5	1 6	121	26·4	19·37	146	120
D	Stanhoe Hall	Miss C. Lee Warner	5	1 0	240	...	21·82	121	104
D	Holt (Holt Lodge)	The Hon. W. H. Lascelles	5	1 0	210	...	17·58	127	107
D	Cromer (Northrepps Hall)	Lt.-Col. C. R. Gurney	5	1 0	226	26·7	18·80	117	102
D	CROMER (Howards Hill)	Clerk to the U.D.C.	8	1 0	178	23·8	17·83	154	103
D	Burnham Market	Mrs. Evelyn Buxton	5	0 10	40	...	20·30	148	111
	Sheringham Hall	Sir Henry Upcher	5	0 9	136	23·6	18·97	...	...
D	Sheringham (Pine Grove)	T. E. Ormond, Esq.	5	1 0	70	...	20·16	170	106
	Sheringham (Sheringham House)	Rev. E. C. S. Upcher	5	1 0	150	...	20·13	156	113
D	§HUNSTANTON	Advancement Assn.	5	1 1	105	...	20·22	138	113
D	Holme-next-Sea (Holme House)	Mrs. S. C. Reed	5	1 0	10	...	19·03	144	107
	4.—OUSE & C. 709 sq. mi.								
D	Garboldisham Manor	Major E. W. Denny, D.S.O.	8	1 0	70	23·2	17·93	156	105
D	Thetford (Kilverstone Hall)	Baron Fisher of Kilverstone	8	1 0	70	21·7	19·28	153	100
D	Thetford Waterworks	L. G. Howell, Esq.	8	1 0	165	23·8	18·24	171	102
d	Attleborough (Quidenham Hall)	Earl of Albemarle	5	1 0	100	24·1	17·62	...	...
D	Brandon (Lynford Hall)	Sir James Calder	5	1 1	50	...	19·56	138	98
d	Attleborough (Breccles Hall)	J. E. Fitt, Esq.	5	0 6	120	...	18·44	...	...
D	Denver Sluice	Great Ouse Catchment Bd.	5	1 7	10	...	15·98	143	102
D	Denver (Crow Hall)	C. A. F. Wingfield, Esq.	5	0 6	100	...	17·26	145	94
D	Downham (Dial House)	Messrs. T. H. Wenn & Co.	5	1 6	50	...	18·97	150	106
D	Outwell (Well Creek Sluice)	G. McLeod, Esq., C.E.	8	2 6	16	22·0	16·59	139	99
d	Stow Bridge (Crabb's Abbey)	R. D. Carter, Esq.	5	3 0	8	...	17·73	...	99
d	Swaffham	Messrs. Vynne & Everett, Ltd.	5	2 4	210	...	19·41	...	88
D	Narborough Hall	F. H. Ash, Esq.	5	1 0	45	...	19·20	156	103
d	King's Lynn (Narford)	G. F. Attwood, Esq.	5	1 0	53	...	20·17	...	102
D	Wiggenhall (St. Germans Sluice)	G. McLeod, Esq., C.E.	5	1 6	9	23·1	17·07	141	100
D	King's Lynn (North Runcton Lodge)	Capt. W. N. Gurney	5	1 0	60	...	19·26	156	104
D	Gayton Waterworks	H. G. Ridler, Esq.	5	1 0	131	...	17·92	133	96
D	King's Lynn (Manure Works)	W. J. R. Baxter, Esq.	5	1 2	0	...	18·29	123	86
D	King's Lynn (Freebridge)	Great Ouse Catchment Bd.	5	2 0	15	...	18·26	121	112
D	Grimston (School House)	J. R. Steward, Esq.	5	1 2	62	...	18·46	161	105

DIVISION V—SOUTH-WESTERN COUNTIES

	WILTSHIRE. (Area, 1,370 sq. mi.)								
	1.—LOWER AVON. 383 sq. mi.								
D	Upton Scudamore P.S.	A. E. Carr, Esq.	5	1 0	305	...	27·41	160	129
D	Westbury (Penleigh House)	Major G. M. Atkinson	5	1 0	220	...	25·65	140	125
D	Westbury (Wellhead)	Waterworks Engineer	5	1 8	314	...	25·45	168	118
D	Westbury (Braemar)	Mrs. F. D. Richards	5	1 0	250	...	26·21	166	125
	Westbury (Senior School)	H. C. Williams, Esq.	5	1 7	250	...	25·48	...	...
D	WEST LAVINGTON (Dauntsey's School)	Headmaster	5	0 11	270	...	23·85	133	107
d	Little Cheverell House	Dr. T. W. Newton Dunn	5	1 0	300	...	24·20	139	119
D	Market Lavington (Schoolhouse)	A. F. Burbridge, Esq.	5	0 9	290	29·0	25·05	158	117
D	Trowbridge (Town Hall)	Engineer	8	1 2	131	...	24·31	157	120
	Bradford-on-Avon (Iford Manor)	Lt.-Col. Sir Michael Peto	5	1 1	101	...	27·41	177	130
D	Holt (The Elms)	A. V. H. Beaven, Esq.	5	1 0	144	30·3	25·86	157	131
d	Seend (Ferrum Towers)	Mrs. A. G. Haigh	8	1 3	200	...	23·31	...	...
D	Great Chalfield	Major R. F. Fuller	5	1 2	165	28·6	25·69	161	126
D	Melksham (Forest Road)	I. Pothecary, Esq.	5	1 0	136	...	25·10	157	125

§ Turf wall round gauge.

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	WILTSHIRE—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	1.—LOWER AVON—(*contd.*).								
D	Bowood House	Baroness Nairne	5	1 4	306	...	24·76	137	106
D	Corsham (The Tynings)	W. A. Tolley, Esq.	5	1 0	310	...	25·91	167	123
D	Calne (Castle Walk)	P. W. Phillips, Esq.	5	1 0	240	*28·9*	25·36	153	119
D	Calne (Compton Bassett Rectory)	Rev. G. L. Deuchar	5	1 0	350	...	23·07	160	112
D	Chippenham Waterworks	Borough Surveyor	5	1 2	144	...	25·06	159	117
D	Chippenham (Monkton Park)	H. R. Coventry, Esq.	5	1 7	200	...	23·71	149	117
	Chippenham (Kington Langley)	Mrs. Garnett	8	1 0	172	30·3	25·69	...	...
D	LYNEHAM (Airfield)	(+A) Meteorological Office	5	0 11	455	...	22·59	163	119
D	Chippenham (Littleton Drew)	J. D. Marriott, Esq.	5	5 0	418	...	24·92	156	117
D	Wroughton (Basset Down House)	Mrs. Arnold Forster	5	1 0	500	29·8	24·71	150	114
D	Tockenham Manor	Major G. J. Buxton	8	3 6	400	...	24·04	152	119
d	Malmesbury (Norton Manor)	Major N. S. Wilson	8	1 2	326	...	26·78	...	...
D	Malmesbury (Elm Leaze)	Miss E. Milnes-Walker	5	1 0	260	...	24·79	138	115
	2.—STOUR. 33 sq. mi.								
D	Sedgehill (Peakes Farm)	R. Fisher Crouch, Esq.	5	1 0	491	...	30·54	162	116
D	Mere (Charnage)	W. G. B. White, Esq.	5	1 6	426	33·8	28·97	151	128
D	Stourhead	Sir H. H. A. Hoare, Bt.	5	1 2	583	38·1	31·49	175	116
	3.—EAST AVON. 554 sq. mi.								
D	Broad Chalke	Dr. H. N. Burroughes	5	4 1	362	...	29·84	155	124
D	Salisbury (Harnham)	Mrs. E. M. Taunton	5	1 0	200	...	27·90	159	126
D	Salisbury (Folkestone Road)	M. A. Chaplin, Esq.	5	0 11	200	...	26·17	163	115
D	Fonthill House Gardens	Major J. G. Morrison, M.P.	5	1 0	400	37·8	33·23	168	128
D	Salisbury (Sewage Works)	(+A) S. R. Little, Esq., C.E.	8	1 0	147	29·7	23·98	151	111
D	Salisbury (Manor Road)	Miss L. C. D. Awdry	5	1 0	250	29·2	28·58	172	133
D	Salisbury (Atherton House)	Wilfrid Fletcher, Esq.	5	1 0	250	30·4	25·69	161	117
D	Wilton (Stone Lodge)	Major B. W. Parker	5	1 6	175	...	26·26	155	114
D	Salisbury (Dinton)	Mrs. Bovill	5	1 2	300	...	28·19	165	123
D	PORTON (W. D. Exp'l. Stn.)	(+A) Supt. Met. Dept.	5	0 11	363	26·5	23·82	159	106
D	Steeple Langford (Woodstock)	Miss A. J. Powell	5	1 0	257	...	27·61	143	111
D	Wylye (Fisherton de la Mere)	Lt.-Col. F. N. Jeans	5	0 8	350	...	26·76	128	124
d	Maiden Bradley House	Duke of Somerset	5	1 0	620	38·4	30·58	...	116
D	AMESBURY (BOSCOMBE DOWN)	(+A) Meteorological Office	8	1 0	417	...	22·35	153	102
d	Warminster (Crockerton P.S.)	W. H. Edwards, Esq.	5	1 0	460	...	31·48	...	...
D	Warminster (Henford)	Mrs. Robinson	5	1 8	400	...	29·13	163	122
d	Warminster (The Croft)	Rev. J. Lloyd Herbert	5	0 7	420	...	28·17	167	131
D	Warminster (St. John's Lodge)	D. Vesey, Esq.	5	1 6	400	...	28·51	166	135
D	LARKHILL (School of Artillery)	(+A) Meteorological Office	5	1 0	440	25·5	22·13	154	105
D	Shrewton (Maddington)	Miss V. L. Windsor	5	0 9	285	...	24·18	156	113
D	Everleigh Rectory	Rev. J. S. Macnutt	5	1 0	590	...	24·01	141	111
D	Woodborough (The Manor House)	Brigadier N. C. Lang	5	1 3	400	...	23·43	157	115
D	Pewsey (Oare)	Miss F. M. Peall	5	1 6	500	...	24·21	159	114
D	Bishops Cannings	R. J. Combes, Esq.	5	1 0	446	30·3	23·38	160	123
	4.—TEST. 77 sq. mi.								
D	Landford (Northlands)	Cedric R. Boult, Esq.	5	1 0	180	30·7	27·81	173	117
D	Ludgershall (Conholt Park)	Miss H. M. Gaskell	8	1 0	800	33·9	23·73	150	111
	5.—THAMES. Kennet. 169 sq. mi.								
D	Bishops Cannings (Shepherds Shore)	Devizes Gas & Water Dept.	8	2 1	564	...	23·64	168	120
D	MARLBOROUGH College	Headmaster	5	1 1	424	31·1	25·26	165	113
D	Aldbourne (Manor House)	Capt. W. Brown, J.P.	5	1 0	435	...	25·94	170	128

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	WILTSHIRE—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	6.—THAMES. Cole and c. 154 sq. mi.								
D	Wroughton (Swindon W.W.)	J. B. L. Thompson, Esq., C.E.	5	1 3	448	...	21·95	148	109
D	Chiseldon (Hodson House)	A. Deadman, Esq.	5	0 9	560	29·0	23·85	153	115
D	Swindon (Osborne Street)	H. Cook, Esq.	5	1 0	322	...	22·30	155	114
D	Swindon (Town Gardens)	J. B. L. Thompson, Esq., C.E.	5	1 4	471	27·5	23·53	168	116
D	Purton (Restrop House)	Col. A. Canning	5	1 3	444	27·7	21·44	131	100
	DORSETSHIRE. (Area, 983 sq. mi.).								
	1.—PARRETT. 61 sq. mi.								
D	Evershot (Melbury House)	Mr. W. G. Lee	5	2 0	460	38·7	38·66	157	139
	Crewkerne (Chedington)	F. A. Highmore, Esq.	8	1 0	605	...	33·81	...	...
D	Sherborne Castle	Mr. Edwin Hill	5	1 0	195	32·5	26·89	148	120
D	Sherborne (Barton Gardens)	C. E. Bean, Esq.	8	1 0	285	...	26·45	151	116
	2.—AXE. 25 sq. mi.								
D	Forde Abbey	G. D. Roper, Esq.	5	0 10	200	37·7	36·21	153	126
	3.—FROME & C. 501 sq. mi.								
D	PORTLAND BILL (Lighthouse)	(+A) Lightkeeper (M.O.)	8	1 0	32	25·2	26·37	145	104
D	Easton (Tophill School)	Headmaster	5	1 0	250	...	30·22	157	116
D	Corfe Castle (Encombe)	The Hon. Sir Ernest Scott	5	1 0	200	...	29·86	140	116
D	WEYMOUTH (Westham)	Town Clerk	5	1 0	16	28·0	30·51	150	115
D	Swanage (Panorama)	E. Horncastle, Esq.	5	1 0	120	...	29·88	155	114
D	Chickerell (Lower Putton)	A. H. White, Esq.	5	1 0	45	...	29·13	149	113
D	Steeple (Manor House)	Mrs. Swann	5	0 8	231	34·8	31·74	156	126
D	Corfe Castle (Mortons House)	Lt.-Col. A. R. Bond	5	0 10	120	...	31·75	164	123
D	Creech Grange	J. W. G. Bond, Esq., C.B.	5	1 0	228	37·1	34·25	175	128
D	Abbotsbury (West Street)	J. C. P. White, Esq.	5	1 6	147	29·2	30·94	137	112
d	Abbotsbury (West End)	The Earl of Ilchester	8	1 6	100	...	29·79	...	...
D	Upwey (Friar Waddon)	Engineer and Surveyor	5	1 0	215	...	28·73	150	112
D	Upwey (Higher Well)	Engineer and Surveyor	8	1 0	289	...	30·86	151	118
D	Warmwell	Weymouth W.W. Co.	5	1 0	134	...	33·54	148	119
D	Wareham (East Holme)	Miss L. S. Bond	5	1 0	23	33·9	31·93	148	118
D	Wareham (Binnegar Hall)	Mr. J. W. Hayward	5	1 0	65	33·8	31·96	158	112
D	Wareham (Stockford)	W. Bond, Esq.	8	0 11	65	33·4	31·03	162	119
D	Wareham (Trigon)	Mrs. L. Sturdy	8	1 4	60	32·1	30·26	164	113
D	Dorchester (Littlemayne)	E. R. Sykes, Esq.	5	1 0	200	...	39·01	167	149
D	Burton Bradstock (White House)	Major J. M. Wratislaw	5	1 0	40	...	29·67	147	117
D	Dorchester (South Court Avenue)	E. A. Sparks, Esq.	5	1 0	220	...	37·06	157	134
D	Dorchester Waterworks	Borough Engineer	8	1 0	312	36·6	36·12	169	127
D	Dorchester (Stinsford)	J. Wyndham Hull, Esq.	5	1 0	207	37·4	33·47	149	121
D	Dorchester (Birkin House)	Mrs. Weber	5	1 0	230	37·4	34·01	145	116
D	Bradford Peverell House	H. F. Middleton, Esq.	5	1 0	370	...	36·74	170	131
D	Poole (Pitwines Gasworks)	Bournem'th Gas & Water Co.	8	1 0	8	...	28·10	145	106
D	Parkstone (Balmoral Rd.)	Mrs. P. V. Hall	5	1 0	75	...	30·31	162	120
D	Charminster (Brooklands)	K. P. Druce, Esq.	5	0 10	200	...	38·36	132	113
D	Branksome (Bourne Valley)	Bournem'th Gas & Water Co.	8	1 3	84	30·0	27·42	149	110
D	Branksome (Alderney Res.)	Bournem'th Gas & Water Co.	8	1 3	213	...	26·19	158	113
d	Lytchett Minster School	Headmaster	5	1 0	25	...	29·87	...	...
D	Lyme Regis (Penard)	Mrs. M. E. Peat	5	1 0	83	33·2	31·48	141	123
	Lyme Regis (The Haye)	C. T. Thring, Esq.	5	0 10	200	...	33·07	...	120
D	Bridport (Coneygar)	Bridport Waterworks Co.	5	1 0	110	32·9	31·29	146	116
D	Bridport (Shere)	W. A. Roberts, Esq.	5	1 0	90	...	29·60	157	123
d	Bridport (Symondsbury)	A. W. S. Rose, Esq.	5	1 0	83	...	28·59?	...	111
D	Bridport (Ryall)	W. T. Bridges, Esq.	5	1 6	460	...	32·06	157	130

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	DORSETSHIRE—(*contd.*).		*in*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—FROME & C.—(*contd.*).								
D	Puddletown Vicarage	... Rev. Canon A. L. Helps ...	5	4 6	200	35·8	33·80	159	124
D	Bere Regis (Barrow Hill) ...	... H. Galton, Esq.	5	1 2	240	32·9	29·90	147	114
D	Lytchett Matravers (Kit Robins)	... H. Blanchard, Esq. ...	5	1 0	300	...	27·42	158	119
D	Wynford House...	... Mrs. Aldridge	5	1 0	410	43·5	38·88	165	132
D	Netherbury (The Chantry) ...	... Lt.-Col. H. L. Kitson ...	5	1 0	150	35·2	32·30	167	133
D	Beaminster (Netherbury Court)	... Mrs. S. W. Blacker ...	5	0 9	400	...	31·97	152	128
D	Beaminster (East Street) ...	... W. A. Stiby, Esq.	5	1 0	183	37·6	35·16	163	136
D	Cerne Abbas (Long Street) ...	... Capt. G. Jensen	5	1 0	375	...	39·61	157	128
D	Minterne...	... Col. The Lord Digby, D.S.O.	5	1 0	800	...	37·97	173	137
	4.—STOUR. 384 sq. mi.								
d	Lytchett Matravers School ...	... Headmaster	5	1 6	300	...	28·99	...	114
D	Broadstone (Grange Road) ...	... R. Nimmo, Esq.	5	1 0	160	...	29·00	172	121
D	Corfe Mullen (The Plantation)	... A. J. Russell, Esq.	8	1 0	300	...	27·64	157	119
D	Wimborne (Corfe Mullen W.W.)	... Waterworks Engineer ...	5	1 0	81	32·9	26·84	152	111
D	Wimborne (Stapehill)	... W. J. Marchant, Esq. ...	5	1 0	95	...	27·03	149	112
D	Wimborne (Walsford Bridge P.S.)	... Bournem'th Gas & Water Co.	8	1 3	70	...	29·19	149	120
D	Blandford (King's Road) ...	... D. Blanchard, Esq. ...	5	1 0	195	...	29·12	157	115
D	Blandford (Bryanston) ...	... Miss A. M. Jaques ...	5	1 0	185	...	32·63	151	124
d	Blandford (Bryanston School)	... Headmaster	5	1 0	250	...	30·33	...	...
D	Blandford (Letton)	... Brig.-Gen. B. F. B. Stuart ...	8	1 7	200	...	29·39	140	110
D	Glanvilles Wootton (Manor Ho.)	... H. B. Debenham, Esq. ...	5	0 9	250	35·2	30·16	157	121
D	Holwell (Little Westrow) ...	... Miss H. A. Warry	5	1 0	252	34·4	30·97	162	131
D	Wimborne St. Giles (St. Giles Ho.)	... The Earl of Shaftesbury, K.P.	5	1 6	165	33·4	28·06	142	110
D	Sturminster Newton (Stock Gayland)	Miss Blake	5	0 11	350	...	29·40	164	124
D	Child Okeford Manor	... J. H. L. Glasbrook, Esq. ...	5	1 0	250	...	29·72	151	120
D	Shaftesbury (St. Margaret's Marsh)	... G. W. Payne, Esq. ...	5	2 2	180	...	27·04	127	107
	Pentridge (Cobley)	... F. B. Eastwood, Esq. ...	5	1 0	500	...	29·66	...	...
D	SHAFTESBURY (C.E. School) ...	... Headmaster (M.O.) ...	5	1 0	680	...	28·15	166	122
D	Gillingham (Malt House) ...	... Col. The Lord Basing ...	5	1 6	275	...	25·94	155	122
	5.—EAST AVON. 12 sq. mi.								
	SOUTH DEVONSHIRE. (Area, 1,707 sq. mi.)								
	1.—PARRETT. 7 sq. mi.								
	2.—TAMAR & C. 395 sq. mi.								
D	PLYMOUTH (MOUNT WISE) ... (+A)	Meteorological Office ...	8	1 0	82	...	36·38	181	140
D	PLYMOUTH (THE HOE)	... Corpn. (G. H. Ivory & Part.)	8	1 0	117	36·7	37·58	186	150
D	Plymouth (Drake's Reservoir)	... N. G. Elliot, Esq., C.E. ...	5	1 0	149	37·5	37·19	169	142
D	Plymouth (Freedom Park) ...	... Corpn. (G. H. Ivory & Part.)	8	1 0	208	39·4	37·97	192	147
D	Devonport (Rowdens Res.) ...	... N. G. Elliot, Esq., C.E. ...	5	1 0	201	35·1	37·38	171	143
D	Plymouth (Hartley Reservoir)...	... N. G. Elliot, Esq., C.E. ...	5	1 0	321	39·9	39·86	186	141
D	Bickleigh (Roborough Reservoir)	... N. G. Elliot, Esq., C.E. ...	5	1 0	548	46·2	44·65	190	144
D	Lee Moor House	... R. Martin, Esq.	8	1 0	900	62·4	55·08	187	160
D	Roborough (Maristow Gdns.)	... F. A. Tuck, Esq.	5	1 0	60	...	46·69	146	126
D	Sheepstor (Redstone)	... N. G. Elliot, Esq., C.E. ...	5	1 0	760	59·0	56·57	214	166
D	Sheepstor (Head Weir)... ...	... N. G. Elliot, Esq., C.E. ...	5	1 0	730	57·0	55·24	216	168
D	Dousland Reservoir	... N. G. Elliot, Esq., C.E. ...	5	1 0	721	51·8	52·63	189	156
M	Dartmoor (Deancombe Farm)	... N. G. Elliot, Esq., C.E. ...	5	1 0	807	...	62·20	...	...
D	Yelverton (Yarrow-Dousland)	... R. R. Brown, Esq. ...	5	0 8	700	...	52·50	208	157
D	Yelverton (Uppaton)	... Com.J.P.Burton,R.N.(Retd.)	5	1 0	605	...	48·42	201	155
D	Dartmoor (Lowery)	... N. G. Elliot, Esq., C.E. ...	5	1 0	899	...	55·07	214	167

|| Gauge oversheltered.

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	SOUTH DEVONSHIRE—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—TAMAR & C.—(*contd.*).								
M	Dartmoor (Leather Tor Farm)	... N. G. Elliot, Esq., C.E. ...	5	1 0	910	59·0	59·50	...	...
M	Dartmoor (Siward's Cross) ...	... N. G. Elliot, Esq., C.E. ...	5	1 0	1074	69·7	71·13	...	...
D	Whitchurch (Grenofen) ...	... H. Chichester, Esq.... ...	5	1 2	325	46·1	45·95	205	163
D	TAVISTOCK	... Mrs. M. L. Monk	5	1 0	457	47·6	42·07	190	148
M	Dartmoor (Double Waters) ...	... N. G. Elliot, Esq., C.E. ...	5	1 0	1165	64·2	61·35	...	...
D	Dartmoor (N. Hessary Tor) ...	... N. G. Elliot, Esq., C.E. ...	5	1 0	1398	...	64·49	209	174
D	Mary-Tavy (Blackdown) ...	... H. K. G. Rogers, Esq. ...	5	1 0	855	...	53·84	195	170
d	North Brentor (Langstone) ...	... T. M. Lashbrook, Esq. ...	5	1 0	800	...	48·53	...	151
D	Coryton Manor	... T. Newman, Esq. ...	5	1 2	450	43·5	46·93	169	152
D	Lifton (Raddon Slope) ...	... James Oke, Esq.	5	1 4	280	...	38·27	204	147
D	Lew Down (Coombe Trenchard)	... H. M. Sperling, Esq. ...	5	1 0	450	44·0	44·09	188	153
D	Werrington Park	... Mr. R. M. Gregory ...	5	1 0	600	...	37·15	208	157
D	Ashwater Rectory	... Rev. R J. D. Newhouse ...	5	1 0	480	42·6	39·14	174	148
D	Holsworthy (Bodmeyric) ...	... Miss A. D. Rogers ...	5	0 11	476	42·3	41·58	183	159
	3.—ERM & C. 217 sq. mi.								
d	Salcombe (Longmynd) ...	... C. Shillitoe, Esq.	5	1 0	210	...	38·44	...	...
d	Stoke Fleming (Oversea House)	... T. C. Fishburn, Esq. ...	5	1 6	200	...	39·48	...	119
D	Stoke Fleming (Windward) ...	... Miss E. L. Garrett	5	1 0	380	...	41·17	182	133
D	Loddiswell (Alleron)	... C. D. Wise, Esq.	5	0 7	300	...	45·00	167	137
D	Yealmpton (Torr)	... Miss M. Wimbush	5	1 9	100	35·5	41·24	190	145
D	Yealmpton (West Park) ...	... D. M. Yonge, Esq. ...	5	1 3	150	...	40·52	177	144
D	Yealmpton (Villa)	... Dr. C. B. F. Tivy	5	1 0	140	...	41·74	173	140
d	Loddiswell (Hazelwood House)	... Hon. Mrs. Peek	5	1 0	300	...	47·33	...	127
D	Wrangaton (Plymouth M. Hosp.)	... Corpn. (G. H. Ivory & Part.)	5	1 0	650	54·2	56·92	172	146
D	South Brent (Millswood) ...	... Major-Gen. G. L. Raikes ...	5	1 0	400	...	59·16	183	152
d	South Brent (Beechfield) ...	... J. A. Kingwell, Esq. ...	5	1 0	500	61·0	59·97	...	...
D	South Brent (Badworthy) ...	... Miss D. B. Latham... ...	5	1 2	550	64·4	68·87	172	155
D	South Brent (Didworthy San.)	... Medical Officer	5	1 0	675	...	69·99	196	164
D	South Brent (Brent Moor) ...	... W. E. Nicholls, Esq. ...	5	1 0	850	78·3	79·61	200	167
	Cornwood (Yealm Head No. 5)	... W. H. Thompson, Esq., C.E.	5	1 0	540	...	(55·11)	...	...
	Cornwood (Yealm Head No. 1)	... W. H. Thompson, Esq., C.E.	5	1 0	943	...	(62·87)	...	...
‖	Cornwood (Yealm Head No. 2)	... W. H. Thompson, Esq., C.E.	5	1 0	1305	...	(64·13)	...	...
	Cornwood (Yealm Head No. 4)	... W. H. Thompson, Esq., C.E.	5	1 0	1415	...	(64·90)	...	...
	4.—DART. 197 sq. mi.								
D	Dartmouth (Dean's Lodge) ...	... P. F. Summers, Esq. ...	5	4 0	80	...	41·25	175	134
D	Dartmouth	... Borough & Water Engineer	5	1 0	9	...	40·54	186	130
d	Brixham	... Torbay Paint Co., Ltd. ...	8	2 0	164	...	36·60	...	112
D	Brixham (Combe Bank) ...	... Sir H. Clayton, Bt. ...	5	6 6	115	36·7	40·94	167	121
d	Totnes (Dundridge Gardens) ...	... H. G. W. Woodhouse, Esq.	5	1 0	250	48·3	52·27	...	...
D	PAIGNTON (Victoria Park) ...	... Town Clerk	8	1 0	12	...	40·03	166	130
d	Totnes (Walrond House) ...	... W. J. Toope, Esq.	5	1 3	40	41·8	46·57	...	126
D	TOTNES (Dartington Hall) ...	... J. B. E. Patterson, Esq. ...	5	1 0	100	...	45·85	170	139
D	Broadhempston (Sneydhurst) ...	... H. S. Burbery, Esq. ...	5	1 6	200	...	41·26	177	131
D	Ashburton (West St.)	... W. T. Hannaford, Esq. ...	5	1 0	236	51·7	51·90	177	141
D	Ashburton (Hele House) ...	... Rev. M. H. Needham ...	5	0 7	350	...	50·87	176	147
d	Ashburton (Place)	... Mrs. E. Heron Varwell ...	5	0 8	400	...	53·53	...	...
D	Dartmoor (Fox Tor)	... E. Rowlands, Esq., C.E. ...	5	1 7	1160	...	66·40	211	163
D	Dartmoor (Strane Valley) ...	... E. Rowlands, Esq., C.E. ...	5	1 7	1180	...	65·07	211	162
D	Dartmoor (Swincombe) ...	... E. Rowlands, Esq., C.E. ...	5	1 7	1120	...	62·34	185	160
D	PRINCETOWN (H.M. Prison) ...	(+A) Governor	5	1 0	1359	81·9	79·48	214	184
W	Dartmoor (Cowsic Valley) ...	... N. G. Elliot, Esq., C.E. ...	5	1 0	1323	76·7	72·61	...	...
D	WIDECOMBE-IN-THE-MOOR (Bonehill) ...	H. C. Thorpe, Esq., B.Sc.	5	1 0	850	...	59·60	192	151
M	Dartmoor (Beardown Tor) ...	... N. G. Elliot, Esq., C.E. ...	5	1 0	1582	76·6	75·24	...	...

‖ Gauge over-exposed on moor.

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	SOUTH DEVONSHIRE—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	4.—DART.—(*contd.*).								
M	Dartmoor (White Tor)	N. G. Elliot, Esq., C.E.	5	1 0	1439	...	68·37	...	...
M	Dartmoor (Devil's Tor)	N. G. Elliot, Esq., C.E.	5	1 0	1570	...	69·51	...	...
M	Dartmoor (Cowsic Head)	N. G. Elliot, Esq., C.E.	5	1 0	1465	...	69·57	...	...
D	Bovey Tracey (Hedge Barton)	Capt. W. K. Kitson	5	1 6	1137	59·2	53·92	154	134
	5.—TEIGN. 209 sq. mi.								
D	Torquay (Higher Lincombe Road)	G. N. Carleton-Stiff, Esq.	5	1 0	260	...	35·32	160	118
D	TORQUAY (Abbey Park)	Town Clerk	5	1 0	27	33·0	36·56	158	125
D	NEWTON ABBOT (SEALE HAYNE COLL.)	Principal	5	1 0	375	34·7	39·88	167	135
D	TEIGNMOUTH (Den Gardens)	Medical Officer of Health	8	1 0	20	31·8	33·34	162	120
D	Teignmouth (Hazledown Res.)	Engineer & Surveyor	8	1 0	425	32·4	36·92	162	133
D	Teignmouth (Shaldon Res.)	Engineer & Surveyor	5	1 0	213	34·9	38·15	158	132
D	Teignmouth (Landscore Res.)	Engineer & Surveyor	8	1 0	132	33·2	37·54	162	131
D	Kingsteignton (Firleigh Rd.)	M. B. B. Heath, Esq.	6	1 0	130	...	37·46	158	121
D	Dawlish (Oak Park)	Dr. A. E. House	5	2 6	125	...	35·08	161	128
D	DAWLISH (The Lawn)	Engineer & Surveyor	5	1 0	18	...	32·13	165	119
D	Dawlish (Luscombe Castle)	Peter Hoare, Esq.	8	1 2	175	35·9	40·89	179	135
D	Chudleigh (Scotleigh)	J. P. Hepburn, Esq.	5	1 3	280	...	37·88	162	130
D	Hennock (Hazlewood)	R. P. Kitson, Esq.	5	1 0	650	...	44·38	165	133
D	Lustleigh (Sun Hill)	Mrs. H. Muir	5	1 0	650	...	42·27	178	139
W	Moretonhampstead (Bullaton)	Water Engineer, Torquay	8	1 0	928	42·2	46·41	...	...
W	Moretonhampstead (Mardon)	Water Engineer, Torquay	5	1 0	837	42·3	45·02	...	...
D	North Bovey (Manor House)	Mr. J. T. Laurence	5	1 0	700	49·0	40·84	181	133
M	Chagford (Hurston Ridge)	Water Engineer, Torquay	5	1 0	1350	...	68·00	...	...
M	Chagford (Toms Hill)	Water Engineer, Torquay	5	1 6	1500	...	72·15	...	...
M	Chagford (White Ridge)	Water Engineer, Torquay	5	1 6	1650	...	74·02	...	...
M	Chagford (Hemstone)	Water Engineer, Torquay	5	1 6	1350	...	72·26	...	...
D	Christow (Kennick) No. 1	Water Engineer, Torquay	8	1 0	836	41·6	40·53	226	152
D	Christow (Kennick) No. 2	Water Engineer, Torquay	8	1 0	860	...	42·70	224	153
D	Chagford (Fernworthy)	Water Engineer, Torquay	5	1 0	1150	...	64·29	286	168
D	Chagford (Metherall)	Water Engineer, Torquay	8	1 0	1150	...	62·88	286	168
M	Chagford (Thornworthy Down)	Water Engineer, Torquay	5	1 6	1250	...	62·27	...	...
M	Chagford (Crownhall)	Water Engineer, Torquay	5	1 0	1320	...	71·13	...	...
W	Christow (Smithacott)	Water Engineer, Torquay	5	1 0	861	42·7	45·99	...	...
W	Christow (Laployd)	Water Engineer, Torquay	5	1 6	1041	42·3	47·24	...	...
D	Chagford (Thornworthy)	Miss W. H. Varwell	5	0 6	1175	59·6	70·59	239	173
D	Chagford (Teignworthy)	E. A. Courthope, Esq.	5	1 0	1000	...	53·47	218	173
D	Chagford (Denshams)	C. V. Somers Cocks, Esq.	5	0 11	650	...	49·87	199	146
D	Chagford (Huish)	Col. P. Hart Dyke, D.S.O.	5	1 0	590	*45·5*	49·09	186	143
D	Drewsteignton (Newton Barton)	C. A. St. George Moore, Esq.	5	1 0	700	...	35·15	194	136
	6.—EXE. 445 sq. mi.								
D	EXMOUTH (Waterworks Road)	Engineer U.D.C.	5	1 0	195	28·6	29·44	138	119
D	Exmouth (Filters, Salterton Road)	Engineer U.D.C.	8	1 0	195	31·5	31·17	162	123
d	Exmouth (Littleham)	W. Malan, Esq.	5	0 7	155	...	32·59	...	116
D	Exmouth (Filters, Capel Lane)	Engineer U.D.C.	5	1 0	240	30·3	32·89	161	122
D	Kenton (The Vicarage)	Rev. K. E. Alexander	5	1 0	100	...	34·04	180	120
D	Woodbury (Oakhayes)	E. S. Chattock, Esq.	5	1 0	200	...	33·72	136	122
D	Shillingford Rectory	Rev. C. L. O'Ferrall	5	1 8	200	...	34·34	170	126
D	Exminster (Trood House)	Lt.-Col. T. L. Ormiston	5	1 11	75	...	34·62	167	128
D	Exeter (Countess Wear)	A. O. Rowden, Esq.	5	1 0	110	...	32·07	155	118
D	Exeter (Hatfield Longdown)	C. Holman, Esq.	5	0 10	450	33·8	32·09	159	125
D	Aylesbeare (Homestead)	late A. T. Loram, Esq.	5	0 10	220	31·4	27·64	135	114
D	Exeter (Heavitree)	W. N. Lavis, Esq.	5	1 0	112	...	30·00	170	124
D	Exeter (Devon and Exeter Inst.)	Librarian	5	13 7	155	30·5	27·79	118	101
	Exeter (The Close)	Rev. Canon D. McLaren	5	1 7	200	...	30·41	120	96

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	SOUTH DEVONSHIRE—(*contd.*).			*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	6.—EXE—(*contd.*).									
D	EXETER Airport	(+A)	Meteorological Office ...	5	1	0 125	...	30·26	152	121
D	Rockbeare Manor		Mrs. D. M. Follett ...	5	0	6 180	30·7	28·03	127	109
D	Cheriton Bishop (Horslake) ...		L. Collings-Wells, Esq. ...	5	3	6 500	33·3	35·70	169	134
D	Broadclyst (Beaumont) ...		W. H. Leverton, Esq. ...	5	1	0 50	...	29·84	152	126
	Crediton (Haywards School) ...		C. Luxton, Esq.	5	1	0 186	33·3	28·46	...	...
D	Crediton (Okefield)		Seymour F. Pope, Esq. ...	5	1	0 325	32·2	31·30	196	138
D	Copplestone (Coplestone House)		Com. W. Pope, R.N., D.S.O.	5	0	9 315	34·4	32·45	179	146
D	Bradninch (Bowley Close) ...		Miss H. R. Hepburn ...	5	1	0 300	34·0	32·07	168	138
D	CULLOMPTON		Murray T. Foster, Esq. ...	5	1	0 202	35·3	32·95	186	149
D	Kentisbeare		A. E. Painter, Esq. ...	5	1	0 304	37·1	29·98	170	132
D	Cullompton (Willand)		Major F. M. Lane	5	1	0 300	...	29·22	161	142
D	Tiverton (Halberton)		Miss M. G. Izat	5	1	6 300	40·8	30·95	179	138
D	Tiverton (Cowley Lodge) ...		E. G. Peirce, Esq.	5	2	6 250	37·3	31·45	164	131
D	Cullompton (Uffculme) ...		F. C. Doidge, Esq. ...	5	1	0 320	...	29·87	166	141
D	Tiverton (Bradleigh Down) ...		Lt.-Col. G. V. Hotblack ...	5	1	0 700	...	37·40	193	144
D	Culmstock (Woodgate Farm)...		T. Langdon Hine, Esq. ...	5	1	0 550	...	30·96	181	131
D	Morebath Manor		Major F. R. Rothwell ...	5	1	0 600	44·3	37·08	186	141
	7.—AXE & C. 237 sq. mi.									
d	Budleigh Salterton (Braywick)		E. Fisher, Esq.	5	1	0 120	...	29·63	...	...
D	Budleigh Salterton (Knowle Hill)		Lt.-Col. J. B. MacFarlan ...	5	0	7 245	...	31·52	160	123
D	Budleigh Salterton		R. Jones-Bateman, Esq. ...	5	1	0 370	...	32·30	182	121
W	Budleigh Salterton (Squabmoor)		Engineer, Exmouth U.D.C.	5	1	0 267	31·9	29·14	...	...
D	Exmouth (Squabmoor) ...		J. H. F. Foster, Esq. ...	5	1	0 450	...	34·49	165	124
W	East Budleigh (Bicton Common)		Engineer, Exmouth U.D.C.	5	1	0 300	32·2	29·39	...	...
D	SIDMOUTH (U.D.C.)		Borough Surveyor	5	1	0 25	...	31·16	151	126
D	Sidmouth (Loretto)		S. Horsley, Esq.	5	1	6 115	...	32·59	168	126
D	Beer (The Anchorage)		J. G. Sargent, Esq. ...	5	1	6 150	...	33·51	140	117
D	SEATON (Seafield) ...	U.D.C.	(Lt.-Col.H.Anderson-Neville)	5	1	0 43	...	32·36	161	127
D	Seaton (Marlpit Lane)		H. S. Stewart, Esq. ...	5	1	0 150	...	33·38	159	140
D	Seaton (Homermead)		T. F. Tracy, Esq.	5	1	0 185	...	33·83	157	127
D	Aylesbeare (Huntisbeare) ...		Rev. Preb. H. M. Drake ...	5	1	0 400	...	35·18	171	125
D	Lyme Regis (Pinhay)		Ormsby Allhusen, Esq. ...	5	0	9 465	34·9	34·74	182	132
D	Sidbury (Court House) ...		V. C. Cave, Esq.	5	0	10 200	...	38·24	161	130
	Sidbury Manor		V. C. Cave, Esq.	5	1	5 350	...	36·54	...	...
D	Colyton (Colyford)		Mrs. M. A. Finch	5	0	9 100	...	37·36	159	134
D	Ottery St. Mary (Broad Oak)		Miss Tallant...	5	1	2 300	...	35·45	185	135
D	Ottery St. Mary (Little Close)...		P. M. Miller, Esq.	5	1	0 250	...	35·74	174	130
D	Ottery St. Mary (Broad Street)		W. D. Badcock, Esq. ...	5	1	0 170	36·3	35·72	158	126
d	Axminster (Kilmington) ...		Mrs. C. M. Saunders ...	8	1	6 210	...	33·67	...	...
D	Axminster (Gamberlake House)		late Col. A. L. Bayley ...	5	1	6 120	...	39·90	156	131
D	Honiton (Feniton Court) ...		Hon. Mrs. Acland	8	0	10 235	36·4	34·51	165	132
D	Honiton (Black Lion Hotel) ...		R. Winterton, Esq. ...	5	1	0 400	...	38·46	173	136
D	Membury (Yarty House) ...		Major W. H. Shoolbred-Wilkin	5	1	0 245	...	35·20	156	135
D	Honiton (Cotleigh House) ...		Major J. M. Salusbury-Trelawny, M.C.	5	1	3 540	...	38·63	170	142
D	Stockland		R. T. Watkin-Williams, Esq.	5	1	0 300	40·5	42·51	159	141
	NORTH DEVONSHIRE. (Area, 898 sq. mi.)									
	1.—NORTH COAST STREAMS. 77 sq. mi.									
D	Croyde (Baggy Point)		Miss C. M. Hyde	5	1	0 40	30·1	25·99	153	128
D	Ilfracombe (Reservoir) ...		A. J. Westaway, Esq. ...	5	1	0 395	46·9	40·06	196	153
D	ILFRACOMBE (Bowling Green)		A. J. Westaway, Esq. ...	5	1	0 25	37·4	34·04	180	126

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with .01 in. or more	1947 Days with .04 in. or more
	NORTH DEVONSHIRE—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—TAW. 442 sq. mi.								
D	Chulmleigh (Ashreigney Rectory)	Rev. R. Y. Holmes	5	0 6	590	...	34·25	182	131
D	Witheridge	Rev. J. A. S. Castlehow	5	1 0	600	38·9	30·71	180	143
D	East Anstey Rectory	Rev. J. S. Payne	5	0 9	750	45·7	38·70	179	157
D	East Anstey (Barton House)	Mrs. E. L. Hancock	5	1 0	760	...	39·53	154	148
D	Chittlehampton (Ridgedown)	T. R. M. Cardus, Esq.	5	1 0	240	...	32·55	182	144
D	East Anstey (Chiltons House)	L. B. Akers, Esq.	5	2 6	950	...	42·81	206	158
D	Bishops Tawton (Codden Hill)	E. F. Batten, Esq.	5	0 11	400	...	29·72	190	137
D	Swimbridge (The Vicarage)	Rev. H. J. A. Rusbridger	5	1 0	250	...	32·89	204	161
D	West Buckland School	Headmaster	5	1 0	650	...	36·65	184	142
D	Barnstaple (Newport Vicarage)	Rev. H. L. Franklin	5	1 0	40	...	31·16	191	137
D	BARNSTAPLE (N. Devon Athenaeum)	Librarian	8	1 0	25	36·6	28·93	179	134
D	Barnstaple (Westaway)	Major O. L. Trechmann	5	1 0	140	39·0	32·31	178	140
D	Goodleigh (Chelfham Mill)	Lt.-Cmdr. J. K. Elliot, R.N.	5	0 11	145	...	38·66	186	144
D	Braunton (The Linhay)	J. E. Gladstone, Esq.	5	1 0	70	...	29·83	187	131
D	Challacombe	A. J. Westaway, Esq.	5	1 0	851	62·8	54·41	219	181
	3.—TORRIDGE. 342 sq. mi.								
M	Dartmoor (Cranmere Pool)	S. R. Harry, Esq., for M.O.	5	1 0	1845	73·5	(68·85)	...	...
M	Dartmoor (Newbridge)	S. R. Harry, Esq., for M.O.	5	1 0	1500	59·4	59·95	...	...
D	Okehampton Waterworks	Borough Engineer	5	1 0	860	...	49·20	177	148
D	Okehampton (Uplands)	Miss C. E. Burd	5	1 0	700	51·4	49·91	195	154
D	Winkleigh (Places)	R. A. B. Coad, Esq.	5	4 0	500	...	32·55	183	143
D	Torrington (Hillside)	W. R. Hooper, Esq.	5	1 0	337	39·3	35·41	181	150
D	Parkham (Melbury Reservoir)	A. Brewer, Esq.	5	1 0	515	54·6	45·49	199	161
D	Buckland Brewer (The Cottage)	Miss B. G. Rogers	5	0 11	469	46·3	41·28	191	148
D	Bideford (Jennett's Res.)	Borough Surveyor	5	1 0	62	40·8	32·96	185	141
D	Bideford (Gammaton Res.)	Borough Surveyor	5	1 0	350	...	34·03	184	149
d	Northam (Fordlands)	Lt.-Col. D. C. Spencer-Smith	5	1 0	175	...	32·66	...	148
D	Northam (Windmill Lane)	S. Welsford Pain, Esq.	5	1 0	200	...	33·38	196	149
D	Westward Ho! (Royal Golf Club)	Major A. Newton-King	5	1 6	10	34·4	31·87	153	142
	4.—WEST COAST STREAMS. 32 sq. mi.								
D	Hartland (Fosfelle)	R. H. Cook, Esq.	5	1 0	480	46·0	38·33	151	133
d	Clovelly Court	Clovelly Estate Co. Ltd.	5	0 9	300	...	42·06	...	...
D	HARTLAND POINT	Station Officer (M.O.)	5	1 0	299	...	29·26	186	140
	5.—EXE. 5 sq. mi.								
	CORNWALL. (Area, 1,363 sq. mi.)								
	1.—CAMEL & N.W. COAST STREAMS. 458 sq. mi.								
D	Crowan (Boswyn Res.)	Camborne Water Co.	8	1 6	511	47·6	39·98	186	156
D	Lelant (Ven Ayr)	Lt.-Col. C. Watson-Smyth	5	1 0	100	...	42·70	190	155
D	Lelant (Trevethoe House)	Mrs. Tyringham	5	1 1	100	44·4	41·92	184	149
D	St. Ives (Bussow Moor)	Borough Surveyor	5	1 0	390	48·6	43·96	190	150
D	St. Agnes (Church Town)	Dr. W. C. Whitworth	5	1 0	318	...	40·35	195	152
D	Zelah (Chyverton)	A. T. Holman, Esq.	5	1 2	320	...	42·66	187	445
	Newquay (Reservoir)	U.D.C.	5	1 0	214	33·4	33·07	...	...
D	NEWQUAY (Mount Wise) No. 1	U.D.C.	5	1 0	182	33·2	32·34	194	139
D	ST. EVAL (Airfield) (+A)	Meteorological Office	5	1 0	345	...	36·72	191	146
D	Bodmin (Castle Hill House)	Major Hare	5	0 8	484	49·4	51·54	207	166
D	Wadebridge (Trevanson)	Miss A. T. Skilbeck	5	1 2	200	...	39·07	225	147
D	Padstow (Cross Street)	J. W. V. Sheldon, Esq.	5	1 0	80	...	36·09	193	148
D	Trevone (Pentonwarra)	W. M. Lindley, Esq.	5	1 0	25	...	31·52	188	137
D	St. Minver (Trebetherick)	Miss D. M. Thomson	8	1 0	100	32·0	30·43	202	139

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	CORNWALL—(*contd.*).		*in.*	*t. in.*	*ft.*	*in.*	*in.*		
	1.—CAMEL & N.W. COAST STREAMS—(*contd.*).								
D	Camelford (Stannon Clay Works)	English China Clays, Ltd.	8	1 6	850	54·8	55·06	215	180
D	Camelford (Roughtor View)	D. W. Bogle, Esq.	5	1 0	700	...	51·58	230	173
D	Delabole	Delabole Slate Co., Ltd.	5	1 6	650	...	40·35	212	153
	Bossiney	The Late P. J. Stephens, Esq.	5	1 0	290	...	39·30	210	152
D	Marhamchurch (Widcote)	Rev. C. G. Montgomery	5	1 0	34	...	32·38	185	143
D	BUDE (School House)	Clerk to the U.D.C.	5	1 0	50	33·4	30·88	202	140
	2.—FOWEY & S.E. COAST STREAMS. 620 sq. mi.								
D	THE LIZARD (C. Guard Stn.)	Station Officer (M.O.)	8	1 0	240	*33·3*	31·19	179	138
D	Porthcurno	Cable & Wireless, Ltd.	5	1 0	180	36·2	37·24	187	145
D	Bosahan (St. Martin-in-Meneage)	Lord Seaton	5	1 6	200	...	42·14	165	146
	Mawnan Smith	Brig. Gen. H. D. Croft*	5	0 9	205	...	40·38	190	155
	Sithney (Tregathenen Res.)	Helston & Porthleven W. Co.	5	1 0	400	...	41·60	...	...
D	Penzance (Trewidden)	Mrs. C. Williams	5	1 0	275	43·2	44·23	177	159
d	St. Michael's Mount	Lord St. Levan	...	... ...	50	...	33·37	...	...
D	PENZANCE (Morrab Gardens)	Town Clerk	5	1 0	55	40·9	39·28	204	151
D	Penzance (Trengwainton House)	Col. E. H. W. Bolitho, C.B.	8	1 0	400	46·4	41·82	187	153
D	GULVAL (Experimental Station)	Cornwall County Council	5	1 0	54	41·5	33·41	186	139
D	Wendron (Nine Maidens)	W. E. Benny, Esq.	5	0 10	700	...	52·34	176	158
D	FALMOUTH (OBSERVATORY) (+A)	Supt. for Royal Cornwall Polytechnic Society	5	1 0	167	43·6	42·61	185	154
D	Penryn Reservoirs	Falmouth Corpn. W.W.	5	1 6	235	...	53·36	178	147
D	St. Mawes (Lawn Bank)	J. Stanley-Verde, Esq.	5	1 0	100	...	38·83	178	143
D	Devoran (Devoran House)	Rev. A. S. Rashleigh	5	1 0	50	...	45·82	197	157
D	Gwennap (Trevince)	C. H. Beauchamp, Esq.	10	1 0	240	45·5	48·69	210	163
D	Truro (Tregolls)	Miss A. M. Rashleigh	5	1 0	65	41·6	46·41	188	161
D	Truro W.W. (Lower Tregurrow)	E. D. Lean, Esq.	5	1 0	71	42·2	49·43	209	159
D	St. Ewe (School House)	R. Barbary, Esq.	5	1 0	300	...	43·88	183	158
D	St. Austell (Trevarna)	W. M. Coode, Esq.	5	1 0	300	45·8	49·68	205	157
D	St. Austell (Poltair Public Gdns.)	Engineer & Surveyor	5	1 0	312	...	48·56	204	155
D	St. Austell (Trethurgy)	Lantern China Clay Co., Ltd.	5	... ...	450	...	52·81	200	167
D	East Looe	W. D. Clague, Esq.	5	1 0	50	...	39·91	189	151
d	Downderry (The Watch House)	G. S. Sneyd, Esq.	5	1 0	100	...	39·54	...	...
D	Liskeard (Penmilder)	Miss D. P. Foster	5	1 0	260	...	48·87	207	160
D	Liskeard (Treventon)	E. R. Foster, Esq.	5	1 0	360	47·7	49·64	208	157
	3.—TAMAR & C. 279 sq. mi.								
	Newton Ferrers	Lady Diana Abdy	8	1 0	400	...	48·61	...	...
D	§ST. MELLION (ELLBRIDGE EXP. STN.)	Horticultural Supt.	5	1 0	200	...	42·95	187	147
D	Launceston (Bastreet, North Hill)	S. E. Cornwall Water Bd.	5	1 6	800	...	51·79	218	166
D	Launceston (Landue)	Miss S. E. Tregoning	5	0 11	225	42·5	43·61	203	152
D	Launceston (Pendrucombe)	Mrs. Suttie	5	1 0	469	...	40·12	192	150
D	North Tamerton (Davies)	W. S. Bray, Esq.	5	3 9	390	35·9	31·10*	196	148
	4.—INSULAR. Isles of Scilly. 6 sq. mi.								
D	ST. MARY'S (Coast Guard Stn.)	Station Officer (M.O.)	8	1 0	163	31·9	39·84	205	158
D	Tresco Abbey	Major A. A. Dorrien Smith	5	1 0	40	33·4	41·45	207	162
	Tresco (Rowesfield)	Major A. A. Dorrien Smith	8	1 0	40	...	39·67	201	152
	SOMERSET. (Area, 1,624 sq. mi.)								
	1.—LOWER AVON. 294 sq. mi.								
d	Wanstrow (The Manor Cottage)	Mrs. E. Warburton	5	1 0	465	37·7	30·92	...	...
D	Shepton Mallet (Pondsmead)	Sir R. Hobhouse, Bart.	8	1 0	710	44·9	32·53	179	153
D	Frome W.W. (Egford)	B. H. Parkes, Esq.	8	2 0	270	35·8	29·57	178	128

* *Per* Cornwall Rainfall Association. § Turf wall round gauge.

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	SOMERSET—(*contd.*).			*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	1.—LOWER AVON—(*contd.*).									
D	Binegar (Gurneyslade)		Rev. R. A. Morey	5	1	0 588	43·3	38·28	181	151
D	Stratton-on-Fosse (Downside Abbey)		Rev. R. A. Morey	8	1	0 600	41·5	38·41	184	137
d	Orchardleigh Park		Major A. C. Duckworth	8	0	9 303	32·8	30·21	...	...
D	Chewton Mendip (The Priory)		Earl Waldegrave	5	1	0 550	45·0	37·52	171	140
W	East Harptree (Pitt Farm)		A. M. Paterson, Esq., C.E.	5	1	0 705	45·0	42·20	...	...
D	Midsomer Norton (Dymboro)		Dr. A. Bulleid	5	3	0 350	35·8	33·89	165	132
D	Litton (Sherborne Reservoir)	(+A)	A. M. Paterson, Esq., C.E.	5	1	0 340	40·0	37·94	175	138
W	Harptree Hill		A. M. Paterson, Esq., C.E.	5	1	0 784	...	38·97	...	...
D	East Harptree (Harptree House)		Lt.-Col. H. W. Kettlewell	5	0	8 345	43·7	40·43	177	139
W	East Harptree (Harptree Court)		A. M. Paterson, Esq., C.E.	5	1	0 300	39·9	36·64	...	...
D	East Harptree (Townsend P.S.)		Water Engineer	5	1	6 220	...	35·30	155	135
D	Hinton Blewett Manor		Maurice Church, Esq.	5	1	0 500	39·6	35·63	199	142
W	North Widcombe		A. M. Paterson, Esq., C.E.	5	1	0 215	36·0	32·51	...	...
W	Chew Stoke (Heron's Green)		A. M. Paterson, Esq., C.E.	5	1	0 179	36·2	32·34	...	...
D	Pensford (Sutton Court)		Lord Strachie	8	1	0 280	37·7	30·53	163	123
D	Midford (Court Essington)		E. H. Atchley, Esq.	5	2	6 450	...	29·06	158	134
D	Midford (Pumping Station)		Combe Down W.W. Co., Ltd.	5	1	0 135	...	28·78	185	139
W	Chew Stoke (Walley Court)		A. M. Paterson, Esq., C.E.	5	1	0 202	35·5	30·34	...	...
W	Ridgehill		A. M. Paterson, Esq., C.E.	5	1	0 400	36·0	30·63	...	...
D	Chew Magna		A. M. Paterson, Esq., C.E.	5	1	0 180	36·3	30·36	173	138
D	Pensford (Publow School House)		A. Hayes, Esq.	5	1	0 230	33·2	26·81	168	123
W	Winford (Upper Littleton)		A. M. Paterson, Esq., C.E.	5	1	0 250	37·0	31·67	...	...
W	Chew Magna (Norton)		A. M. Paterson, Esq., C.E.	5	1	0 430	...	28·78	...	...
D	BATH (Henrietta Park)		Medical Officer of Health	5	1	0 67	30·3	26·98	145	127
D	Bath (Southstoke Road)		P. Hambleton, Esq.	5	1	0 525	...	31·12	176	136
D	Bath (Monkton Combe)		W. G. Lock, Esq.	5	1	6 450	30·3	24·63?	168	120
D	Bath (Combe Lodge)		Miss M. B. Clark	5	1	0 520	31·4	29·43	172	133
D	Bath (Combe Down Cottage)		C. Boutflower, Esq.	5	1	0 500	...	(29·36)	(183)	(135)
d	Bath (Statutory Hospital)		Medical Officer of Health	5	1	0 520	32·8	24·75	...	115
d	Bath (St. James' Square)		C. Stansden Paine, Esq.	5	1	0 ...	...	25·66	...	113
D	Bath (Bathwick Grange)		G. R. Marsh, Esq.	5	1	0 450	...	26·34	161	124
D	Bath (Camden Road)		P.A. Laycock, Esq.	5	1	0 252	...	30·23	173	132
D	Bath (Mount Beacon House)		Lady Stothert	5	1	2 450	31·5	28·70	186	129
D	Bath (Weston Lawn)		Rev. Preb. R. W. Windsor	5	1	0 200	...	28·04	173	127
d	Bath (1, Coburg Villas)		J. R. Sparey, Esq.	5	1	0 260	...	30·17	...	...
d	Bath (7, Bathwick Hill)		Rev. Preb. A. B. Burney, M.A.	5	0	6 220	...	27·19	...	...
D	Bath (Charlcombe)		Bath Corporation W.W.	5	1	6 325	31·4	30·03	159	132
D	Bath (Kingwood School)		W. P. Cooke, Esq.	5	1	2 580	...	28·41	169	125
W	Felton (Upper Town)		A. M. Paterson, Esq., C.E.	5	1	0 550	38·2	31·95	...	...
D	Bath (Hamilton Road)		Miss J. Macnab	5	1	6 500	...	31·29	150	125
D	Batheaston (Mumfords)		G. Lipscomb, Esq.	5	1	2 200	...	25·89	142	121
D	Batheaston Reservoir		Bath Corporation W.W.	5	1	0 248	31·1	27·01	184	126
D	Keynsham (Somerdale)		Messrs. J. S. Fry & Sons, Ltd.	5	1	0 58	...	25·02?	161	120
D	Barrow Gurney Reservoir		A. M. Paterson, Esq., C.E.	5	1	0 300	36·2	31·48	161	128
D	Lansdown		Bath Corporation W.W.	5	1	0 380	...	27·82	167	127
D	BRISTOL (AIRPORT)	(+A)	Meteorological Office	5	1	0 209	...	28·87	172	127
D	Long Ashton (School House)		J. B. Randall, Esq.	5	0	5 161	...	28·61	157	127
D	LONG ASHTON (Research Station)		The Director	8	1	0 162	34·1	30·35	174	133
D	Failand House		H. G. Tanner, Esq.	5	1	0 380	34·6	31·16	167	134
	2.—YEO, AXE & BRUE. 405 sq. mi.									
d	Street (Low Level Reservoir)		The Surveyor (U.D.C.)	5	1	0 100	...	24·11	...	...
D	Street (Hindhayes)		Bancroft Clark, Esq.	5	1	6 78	28·8	23·75	178	122
d	Street (Sewage Farm)		The Surveyor (U.D.C.)	5	1	0 18	...	23·36	...	...
D	Street (Millfield)		Bancroft Clark, Esq.	5	1	1 100	28·8	26·50	163	130

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in or more
	SOMERSET—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	2.—YEO, AXE & BRUE—(*contd.*).								
	Ashcott (Bradley Cottage)	F. H. Thomson, Esq.*	...	... ...	...	...	23·42	...	...
D	Glastonbury (Bere Lane)	Mrs. Mee	5	0 8	100	...	27·72	187	135
D	Edington	Major A. C. F. Luttrell	5	1 6	90	31·2	26·13	159	122
D	Cossington Manor	J. C. Macro Wilson, Esq.	5	1 0	110	...	23·77	144	122
	Cossington (Gold Corner)	H. Leeming, Esq.*	5	1 0	12	...	24·14	...	...
D	Shepton Mallet (Charlton)	C. E. Burnell, Esq., J.P.	5	1 0	481	38·8	29·93	188	145
D	Shepton Mallet (Field House)	Sir Frederick Berryman	5	1 0	500	38·6	32·92	179	149
D	Wookey Hole (Elm Batch)	W. Speed, Esq.*	5	0 10	238	...	33·65	156	143
D	Burnham (Dunstan House)	Miss A. E. Smith-Spark	5	1 0	20	29·1	25·45	178	128
d	Burnham	Surveyor	5	1 0	24	28·5	23·74	...	121
d	Burnham (Berrow Road)	Miss M. Robinson	5	1 0	10	29·2	22·59	...	...
D	Cheddar (Pumping Station)	A. M. Paterson, Esq., C.E.	5	1 0	50	33·6	28·74	169	140
w	Charterhouse	A. M. Paterson, Esq., C.E.	5	1 0	619	43·2	36·76	...	...
D	Winscombe (Mendip View)	C. Gibbins, Esq.	5	1 0	100	...	28·99	179	135
w	Compton Martin	A. M. Paterson, Esq., C.E.	5	1 0	276	42·4	35·49	...	...
d	Winscombe (Sidcot School)	The Headmaster	5	0 6	250	...	(29·61)	...	...
w	Ubley (Rookery Farm)	A. M. Paterson, Esq., C.E.	5	1 0	525	44·9	36·94	...	...
D	Winscombe (Wintrath)	D. B. Grubb, Esq.	5	1 0	290	35·8	29·25	158	132
w	Blagdon Hill	A. M. Paterson, Esq., C.E.	5	1 0	550	40·6	35·19	...	...
D	Blagdon (Pumping Station)	A. M. Paterson, Esq., C.E.	5	1 0	112	37·0	31·39	160	128
w	Blagdon (Coombe Lodge)	A. M. Paterson, Esq., C.E.	5	1 0	388	39·6	34·78	...	...
w	Nempnett (West Town)	A. M. Paterson, Esq., C.E.	5	1 0	263	36·3	29·79	...	...
w	Burrington (Burrington Links)	A. M. Paterson, Esq., C.E.	5	1 0	335	38·1	32·34	...	...
D	WESTON-SUPER-MARE (Clarence Pk.)	Medical Officer of Health	5	1 0	28	29·9	26·58	151	116
w	Butcombe (Cholwell)	A. M. Paterson, Esq., C.E.	5	1 0	370	38·9	32·54	...	...
D	Yatton Pumping Station	Long Ashton, R.D.C.	5	0 10	18	...	27·90	156	127
D	Yatton (Chelvey)	A. M. Paterson, Esq., C.E.	5	1 0	60	32·5	28·82	159	123
D	West Town	Theodore Robinson, Esq.	5	2 0	80	34·6	28·31	162	123
D	Clevedon W.W. (Tickenham Rd.)	Waterworks Engineer	5	1 6	50	31·2	26·75	155	122
D	Wraxall Court	Head Gardener	5	0 10	200	...	29·35	159	126
D	Walton-in-Gordano	Lt.-Col. Sir Chas. Miles, Bt.	5	0 9	80	...	27·74	182	125
d	Portbury (The Farm)	J. Giles, Esq.	5	1 0	50	...	32·93	...	...
D	Portishead (Bristol Road)	Portishead Dist. Water Co.	5	1 6	24	34·9	27·32	161	129
D	Portishead (Redcliffe Bay)	A. E. Heaven, Esq.	5	1 0	200	...	(30·88)	149	129
	3.—PARRETT. 568 sq. mi.								
D	Chard (Fairlawn)	A. Austin, Esq.	5	1 0	373	...	34·96	176	131
D	Chard (Snowdon)	A. J. Dening, Esq.	5	1 0	400	...	37·02	158	132
D	Crewkerne (The Reservoir)	Surveyor	8	1 0	426	33·7	31·40	147	128
D	Crewkerne (Bincombe House)	R. A. Russell, Esq.	5	1 2	293	34·7	31·77	156	130
D	Chaffcombe House	Lt.-Col. L. H. Noblett	5	0 10	400	33·1	33·13	167	135
D	Hardington Mandeville	L. Dawson Campbell, Esq.	5	1 0	400	...	34·97	158	139
D	Yeovil (Grass Royal School)	The Headmaster	5	0 6	200	...	25·33	142	122
D	Yeovil (Pen Mill Sewage Works)	Medical Officer of Health	5	1 0	102	30·6	28·54	147	124
D	Pitminster (Blagdon Hill)	G. L. Sidey, Esq.	5	0 10	650	...	37·49	195	146
D	Bickenhall (Forest Drove)	A. H. Turner, Esq.	5	1 10	250	...	32·02	175	131
D	Wellington (Payton House)	Miss M. F. Mathias	5	0 11	230	...	30·60	172	124
D	Ashbrittle (Kyrle)	Major J. H. Mathias	5	0 9	525	...	32·95	181	138
D	Martock Vicarage	Prebendary Saunders	5	0 9	61	29·6	24·77	154	123
D	Trull (Wayside)	A. Eastwood, Esq.	5	1 0	135	...	29·12	174	132
	Rimpton	Late P. B. Cardwell, Esq.*	5	1 2	146	...	23·01	...	...
D	Taunton (Vivary Park)	Medical Officer of Health	5	1 0	71	29·5	24·96	165	119
	Queen Camel (England's Side)	J. A. Brendon, Esq.*	5	1 0	100	...	24·20	...	...
d	Taunton (St. George's Rectory)	Canon R. A. Iles	5	0 7	90	...	26·38	...	...
	Taunton	Miss M. G. Colthurst*	5	0 8	55	...	26·92	...	...

* *Per* Mid-Wessex Rainfall Association.

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with .01 in. or more	Day with .04 in. or more
	SOMERSET—(*contd.*).		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	3.—PARRETT—(*contd.*).								
D	Milverton (Spring Grove)	J. O. Lloyd, Esq.	5	1	640	36·7	32·95	210	139
	Langport (Drayton)	E. Dabinett, Esq.*	5	1	46	...	23·25	...	...
d	Wiveliscombe (Culverhead)	Lt.-Col. H. Jefferys Taylor	5	1	450	39·6	36·47	...	...
D	Langport (The Grange)	Miss V. M. Page	5	1	50	...	22·55	170	117
D	Langport (County School)	H. G. Jefferies, Esq.	5	1	65	28·1	24·07	159	120
D	North Cadbury	H. R. Watson, Esq.	5	1	250	...	27·09	174	126
D	Somerton (The Grange)	R. W. Pretor-Pinney, Esq....	5	1	106	27·8	24·35	162	125
D	Wiveliscombe (Bulland Lodge)	Air V.-M. A. J. Capel, C.B.	5	1	790	...	37·93	203	152
D	Fitzhead (Washers Farm)	W. H. L. Hurman, Esq.	5	1	339	...	31·47	173	138
D	Bishop's Lydeard (Ash Priors)	H. Ross, Esq.	5	0	8 200	...	28·09	186	138
d	Bishop's Lydeard (Watts House)	Sir Gerald Boles, Bt.	5	1	0 320	...	25·35?	...	...
	West Sedgemoor Pumping Stn.	Somerset Rivers C. Bd.*	5	1	0 25	...	22·59	...	...
	Taunton (East Lyng)	J. T. Ames, Esq.*	5	1	0 43	...	24·22	...	...
	North Barrow (Orchards)	M. M. Tabor, Esq.*	5	1	0 170	...	25·12	...	...
d	Lydeard St. Lawrence	Mrs. R. F. Fox	5	0	11 352	36·4	31·71	...	...
	Castle Cary	Mr. A. Farthing*	5	1	0 290	...	27·26	...	...
	Bridgwater (Northmoor P.S.)	(+A) V. H. Bawden, Esq.*	5	1	0 23	...	22·91	...	...
	Bridgwater (Enmore)	Capt. H. H. Broadmead*	...	...	... 200	...	23·85	...	...
D	Bridgwater (Durleigh)	R. A. Watson, Esq.*	8	1	0 46	29·8	25·08	153	122
D	Bridgwater (Blake Gardens)	R. A. Watson, Esq.*	5	3	1 27	28·5	26·15	170	125
	Bridgwater (Wembdon Hill)	Mrs. M. L. Colthurst*	5	1	0 110	...	24·97	...	...
	Bridgwater (Wembdon)	E. L. Kelting, Esq., C.E.*	5	1	6 47	...	24·93	...	...
D	Over Stowey (Plainsfield)	Lord St. Audries	5	0	10 400	...	30·79	179	137
	Spaxton (Dore House)	Dr. G. L. Lyon-Smith	5	0	9 176	...	29·08	...	...
D	Over Stowey (Quantock San.)	Medical Superintendent	5	1	0 500	35·0	29·37	186	132
D	Cannington (Ashford W.W.)	R. A. Watson, Esq.	5	1	1 102	31·4	25·48	149	115
D	Over Stowey	H. L. Butt, Esq.	5	1	0 550	...	30·69	182	133
D	CANNINGTON (Som. Farm Inst.)	Principal	5	1	0 95	...	24·99	157	121
D	Bridgwater (Fiddington)	J. M. Lee, Esq.*	5	1	0 100	...	28·16	163	127
	4.—NORTH COAST STREAMS. 158 sq. mi.								
	Crowecombe (Rexton Gorse)	R. Cooper, Esq.	5	0	10 530	...	29·04	...	...
d	Bicknoller (Weacombe House)	W. T. Greswell, Esq.	5	1	9 200	34·2	27·32	...	...
D	Williton (Catwell)	F. S. Hayne, Esq.	5	1	0 75	...	27·32	160	130
D	Holford (Dyche)	Lord St. Audries	5	1	0 280	...	27·43	164	126
d	W. Quantoxhead (St. Audries Rectory)	Rev. E. L. Miller	5	0	11 200	...	30·39	...	...
D	Kilve Court	Mrs. Cooke-Hurle	5	1	0 150	30·0	27·16	157	127
D	East Quantoxhead (The Rectory)	Mrs. F. L. Aldridge	5	1	0 130	...	29·21	161	135
D	Watchet (Chapel Cleeve)	G. S. Lysaght, Esq.	5	...	... 90	...	26·33	175	128
D	Stogursey (Fairfield House)	Lord St. Audries	5	1	0 150	31·1	26·17	163	126
	Bridgwater (Stockland Manor)	Mr. A. Dimes*	5	1	0 90	...	24·76	...	...
D	Carhampton (The Croft)	E. W. Darby, Esq.	5	1	0 100	...	30·45	183	150
D	Dunster Castle Gardens	Mr. S. Hardwick	8	1	0 100	...	29·66	156	138
D	Dunster (County School)	P. R. Day, Esq.	5	1	0 160	32·2	28·93	165	126
D	Minehead (Dunkery Lodge)	Rev. E. P. Liddon	8	1	0 15	...	29·53	199	129
d	Stolford (Whitewick Farm)	C. Mackenzie, Esq....	5	0	9 10	...	26·08	...	...
D	Minehead (Northcote)	G. F. Tranter, Esq....	5	0	9 180	...	26·70	168	128
D	Minehead (Blenheim Gardens)	Engineer & Surveyor	5	1	0 37	33·4	27·54	161	128
D	Minehead (Weirfield)	Rev. A. G. Robinson	5	0	11 110	...	27·81	184	144
d	West Porlock House	Mrs. G. Blathwayt	5	1	6 40	42·7	32·06	...	...
d	Culbone (Lillycombe)	E. T. MacDermot, Esq.	5	1	0 1210	51·4	44·66	204	158
	5.—EXE. 122 sq. mi.								
d	Churchstanton (Stapley)	Miss C. M. V. Church	5	1	0 600	...	34·33	...	...
D	Exbridge	Exe Valley Fishery Ltd.	5	2	6 400	43·3	36·70	169	139

* *Per* Mid-Wessex Rainfall Association.

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·01 in. or more
	SOMERSET—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—EXE.—(*contd.*).								
D	Brushford Rectory	Rev. B. J. du Boe	5	1 0	450	44·5	39·73	191	141
D	Brushford Nurseries	Mr. G. Ruff	5	1 0	450	43·8	39·61	207	163
D	East Anstey (Dassels)	Major Farquhar	5	1 0	850	...	39·52	208	159
d	Dulverton (C.E. School)	C. J. R. Weaver, Esq.	5	0 9	550	47·8	39·64	180	148
D	Winsford	Capt. R. S. Le Bas	5	1 0	620	54·3	44·02	185	146
D	Winsford (Howtown House)	W. H. Hawker, Esq.	5	1 6	700	...	45·68	200	155
	6.—AXE. 42 sq. mi.								
D	Simondsbath (Honeymead)	Sir Robert Cohen, K.B.E.	5	1 0	1250	...	54·72	232	166
D	Wayford Manor	H. L. P. Baker, Esq.	5	0 10	425	...	35·92	156	138
D	Cricket St. Thomas	Mr. C. G. Rose	5	1 0	444	39·3	35·43	159	148
	7.—STOUR. 35 sq. mi.								
	Henstridge	Mr. P. Parsons	5	1 1	256	...	27·43	...	...
	Temple Combe Rectory	The Rt. Rev. Bishop G. W. Wright*	5	1 4	250	34·9	27·26	...	...

DIVISION VI—WEST MIDLAND COUNTIES

	GLOUCESTERSHIRE. (Area, 1,237 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—WYE. 50 sq. mi.								
d	Redbrook (Hill Crest)	S. Horton, Esq.	5	0 9	160	...	33·69	...	...
D	Redbrook Pumping Station	C. W. D. Ward, Esq.	5	1 0	225	...	33·19	145	117
D	Forest of Dean (Mailscot Lodge)	Forestry Commission	8	1 3	630	...	31·71	164	125
	2.—SEVERN. Right Bank Tributaries. 185 sq. mi.								
d	Forest of Dean (Blakeney Hill Lo.)	Forestry Commission	8	1 6	500	31·6	30·20	...	...
D	Forest of Dean (PARKEND)	Forestry Commission	8	1 0	325	...	35·90	176	135
D	§Coleford (Cannop Colliery)	Manager	5	1 0	330	...	34·19	168	129
d	Forest of Dean (Serridge Lodge)	Forestry Commission	8	0 10	600	...	30·49	...	102
d	Forest of Dean (Edgehills Lodge)	Forestry Commission	8	1 0	915	...	30·86	...	...
D	Newent (Taynton)	M. Philips Price, Esq.	5	1 0	60	29·3	26·56	162	125
d	Bromsberrow Heath Pumping Stn.	Malvern U.D.C.	5	1 0	181	26·2	26·02	...	99
D	Tewkesbury (Forthampton Court)	Mr. B. Webster	5	1 0	48	26·9	23·15	152	113
D	Tewkesbury (Upper Lode)	H. J. Minett, Esq.	5	1 0	41	25·2	21·95	158	114
	3.—SEVERN. Left Bank Tributaries. 369 sq. mi.								
D	Thornbury (Thornbury Park)	Capt. R. A. Bennett	5	1 3	70	32·2	31·63	170	128
D	Alderley (Cordwalles)	C. H. Ledward, Esq.	5	1 0	300	...	25·97	158	124
D	Tortworth School	E. A. Smith, Esq.	5	1 6	264	31·8	28·84	173	131
d	Wotton-under-Edge (Bournstream)	Lt.-Col. B. S. Browne	5	0 9	300	...	30·09	...	...
D	Berkeley Castle Gardens	Mr. T. B. Ashbee	5	1 6	60	29·1	27·36	162	120
D	Dursley (Cam)	H. Thrower, Esq.	5	1 0	250	...	27·92	168	123
D	Minchinhampton (The Shard)	E. H. Denne, Esq.	5	1 0	495	...	30·77	169	124
D	Minchinhampton (Rectory Cottage)	F/Lt. G. W. Fisher	5	1 0	610	33·9	30·97	171	129
d	Chalford W.W.	Stroud W.W.	5	2 0	241	...	27·89	...	119
d	Frocester Manor	Capt. J. E. H. Graham-Clarke	5	1 0	80	...	23·77	...	...
D	Stroud (Oakridge)	Hon. Sir Stafford Cripps, K.C.	5	1 0	550	...	30·40	185	123
D	Stonehouse (Wycliffe College)	W. A. Sibly, Esq.	5	1 0	135	29·0	24·55	150	109
D	Stroud (RUSCOMBE)	Captain B. D. Parkin	5	1 0	610	...	25·50	180	119
D	Miserden Park	Agent	5	1 3	800	...	31·61	186	134
D	Whitminster (The Junction)	E. Perry, Esq., C.E.	5	1 0	32	...	27·18	164	120
D	Haresfield Court	G. B. Heywood, Esq.	5	1 0	100	30·2	24·44	168	116
D	Painswick (Verlands)	Lady Sleeman	5	1 0	450	...	28·50	176	119

* *Per* Mid-Wessex Rainfall Association.

§ Turf wall round gauge.

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rain fall	1947 Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
	GLOUCESTERSHIRE—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	3—SEVERN. Left Bank Tributaries.—(*contd.*).								
D	Harescombe Grange	Mrs. Stamford Hutton	5	1 0	557	29·3	25·75	161	120
D	Cranham (Woodside)	J. H. Edwards, Esq.	5	1 5	650	...	25·53	175	121
D	Witcombe Reservoir	C. J. Scudamore, Esq., C.E.	8	1 0	297	29·2	23·49	169	117
D	Brockworth (The Kia)	Mrs. Grace Buckle	5	1 4	220	27·1	23·16	148	112
D	Gloucester (The Lannett)	R. H. Ellis, Esq.	5	1 3	56	26·6	22·17	155	108
D	Gloucester (Llanthony Lock)	H. J. Minett, Esq.	5	1 2	39	25·4	22·62	166	116
D	Gloucester (Maisemore Lock)	H. J. Minett, Esq.	5	1 1	39	25·1	22·37	160	108
D	Dowdeswell Reservoir	Chelt. & Glos. Water Bd.	5	1 3	357	30·0	24·49	152	118
D	Cheltenham (Hewletts Res.)	Chelt. & Glos. Water Bd.	8	1 6	419	27·7	20·89	152	109
D	Cheltenham (Sandford Mead)	Chelt. & Glos. Water Bd.	5	2 4	210	26·3	21·60	138	112
D	CHELTENHAM (Montpellier Gdns.) (+A)	Town Clerk	5	1 0	214	26·5	21·47	154	113
D	Tewkesbury Pumping Stn.	Chelt. & Glos. Water Bd.	5	1 0	47	23·9	20·35	151	105
	4.—SEVERN. Upper Avon. 68 sq. mi.								
D	Blockley	Miss E. M. Richardson	5	1 0	550	29·4	25·66	170	123
d	Winchcombe (Sudeley Castle)	Major J. H. D. Brocklehurst	5	1 0	357	29·8	27·48	178	124
D	Chipping Campden (Leysbourne)	Miss C. Sparling	5	1 0	470	...	25·75	193	124
d	Campden (Research Station)	Director	5	1 0	389	...	23·75	165	114
	5.—LOWER AVON & C. 208 sq. mi.								
D	Bitton (Willesbridge Nurseries)	G. E. A. Richards, Esq.	5	1 0	100	...	27·05	171	127
D	Bath (Monkswood Reservoir)	Bath Corporation W.W.	5	1 0	365	...	29·34	180	133
D	Bristol (Hopewell Hill)	W. Gloucester Water Co.	8	1 8	386	30·5	27·85	166	130
D	Clifton (Oakfield Road)	A. M. Paterson, Esq., C.E.	5	1 0	200	33·0	29·32	167	124
	Bristol (St. Andrew's Park)	H. Vicars Webb, Esq.	5	1 2	200	32·6	28·89	...	111
D	Bristol (Stoke Paddocks Road)	Major E. J. Dunscombe	5	1 6	90	...	29·18	157	102
D	Horfield (+A)	City Engineer, Bristol	5	1 0	248	...	28·27	151	123
D	Henbury (The Ridgeway)	R. H. Gunn, Esq.	5	1 0	263	...	29·92	179	127
D	FRAMPTON COTTERELL (Park Ho.)	H. H. Harding, Esq.	5	1 0	158	29·8	28·70	187	133
D	Badminton Gardens	Head Gardener	5	1 0	407	...	33·24	171	136
D	Shipton Moyne Pumping Stn.	W. Gloucester Water Co.	5	1 0	312	...	27·17	176	123
D	Long Newnton	Mr. P. A. Day	5	1 0	350	...	25·76	165	120
	6.—THAMES. Right Bank Tributaries. ·17 sq. mi.								
	7.—THAMES. Windrush & c. 340 sq. mi.								
D	Lechdale (St. John's Lock)	Thames Conservancy	5	1 7	237	24·3	22·23	170	106
D	Lechdale (Claydon House)	Mrs. L. Metcalfe	5	1 0	250	25·9	22·91	146	109
D	Fairford (Draycott)	Miss F. A. Edmonds	5	2 0	200	...	23·36	150	113
D	Cirencester (Waterton House)	Alex McIntyre, Esq.	5	1 0	330	...	24·70	147	106
D	Cirencester (Somerford Road)	Nigel Woods, Esq.	5	1 0	354	30·8	25·84	172	116
D	Daglingworth Manor	Mr. D. W. Harvey	8	0 10	450	32·2	29·81	183	123
D	Bibury	C. E. Dowdeswell	5	2 6	...	...	25·30	158	123
D	Great Barrington	Mrs. R. E. Lazenby	5	1 6	417	28·8	25·30	147	119
D	LITTLE RISSINGTON (+A)	Meteorological Office	5	1 0	731	29·4	27·86	173	116
D	Stow-on-the-Wold (Icomb Place)	Mr. H. Prestney	8	1 6	500	29·3	25·28	159	113
D	Oddington (Manor House)	Miss E. Shedden	5	1 0	430	...	24·69	169	114
	HEREFORDSHIRE. (Area 840 sq. mi.)								
	1.—WYE. 685 sq. mi.								
D	Broad Oak (Glanmonnow House)	Brig.-Gen. T. R. F. Bate	5	0 10	500	...	31·78	213	135
D	Llangarron (Llangrove)	J. F. Maclean, Esq.	5	1 0	300	...	31·24	164	130
D	Llangarron (Tre Evan)	Col. C. R. B. Owen	5	1 3	256	...	30·97	158	125
	Walford (Hill Court Gardens)	Mrs. G. R. Trafford	5	1 1	126	28·4	27·55	162	121
D	ROSS-ON-WYE (+A)	F. J. Parsons, Mus.Bac.(M.O.)	5	1 0	223	28·2	27·97	166	114

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	HEREFORDSHIRE—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—WYE—(*contd.*).								
D	Bridstow (Ashe Leigh)	Major W. Stanley R. Cox	5	1 6	220	27·4	27·13	158	120
D	Ross (The Chantry)	M. F. Maclean, Esq.	5	1 0	475	...	27·46	167	121
D	Perrystone Court	Lt.-Gen. Sir Sidney Clive	5	1 3	450	25·5	27·86	178	124
d	Much Dewchurch School	J. Holley, Esq.*	5	1 0	220	...	27·04	...	...
D	Vowchurch (Ladywell House)	A. S. Wood, Esq.	5	1 0	400	34·9	34·49	181	134
d	Michaelchurch Escley (Llan Rosser)	J. M. Maddy, Esq.*	5	... ...	1125	...	(40·88)	205	146
D	Hampton Bishop	C. Langley, Esq.*	5	1 0	145	...	24·00	164	127
D	HEREFORD (Belmont Abbey)	The Abbot	8	1 0	292	27·5	23·81	159	123
D	Hereford (Breinton Court)	Mrs. R. E. H. Baily	5	1 0	238	25·9	25·27	197	128
D	Hereford (Barton Road)	Messrs. Chave & Jackson, Ld.	5	1 3	187	...	24·01	192	117
D	Hereford (Lichfield Avenue)	E. H. Morris, Esq.	5	1 6	200	...	24·22	173	115
D	Hereford (Aylestone Hill)	Rev. Prebendary G.W. Stewart	5	1 0	210	...	23·51	150	118
D	Hereford (Lugwardine)	Major O. G. S. Croft	5	0 9	300	...	25·15	163	116
D	Clifford School	Headmaster	5	1 7	490	...	35·55	199	135
D	Burghill (Hereford Mental Hospital)	Medical Superintendent	5	1 0	300	26·3	23·77	147	110
d	Ocle Pychard (Ocle Court)	Mrs. Cresswell	8	0 10	298	27·8	26·58	...	...
D	Weobley (Garnstone)	Lt.-Col. R. H. H. Verdin	5	1 2	442	...	28·97	177	127
D	Sarnesfield Grange	Rev. W. Marshall	5	1 5	400	...	29·10	149	124
d	Hope under Dinmore	Messrs. Cadbury Bros. Ltd.*	5	1 0	246	27·5	24·81	163	112
D	Pembridge (Moor Court)	Mrs. C. A. Benn	5	1 8	400	...	25·75	167	122
D	Pembridge (Burton Court)	Mrs. P. Clowes	5	1 6	400	28·4	28·19	204	150
d	LYONSHALL (The Whittern)	R. H. Green, Esq.	5	1 0	508	...	(30·44)	(172)	(140)
D	Kington (Hill Court)	J. E. Barendt, Esq.	5	0 9	595	...	33·53	161	144
d	Monkland Cottage	Capt. N. J. Bengough	5	1 3	300	...	23·36	153	110
D	Kimbolton (Grantsfield)	Miss D. W. Hutchinson	5	1 0	424	28·4	23·55	160	130
D	Shobdon (Ty'n-y-Coed)	Miss Woodhouse	5	1 0	450	...	28·62	183	133
D	Presteigne (Middlemoor)	A. M. Wilson, Esq.	8	1 0	480	34·0	31·87	203	132
	SEVERN. Right Bank Tributaries. 155 sq. mi.								
D	Newent (Kilcot)	Forestry Commission	8	1 0	200	...	25·98	148	114
D	Much Marcle (Hall Court)	Mrs. J. J. S. Powell	5	1 0	200	...	22·96	130	103
	Ledbury (The Twerne)	L. J. C. Riley, Esq.	5	1 0	400	...	28·27	207	133
D	Colwall (The Downs)	F. M. Day, Esq.	5	1 0	500	...	26·28	159	121
	SHROPSHIRE. (Area, 1,343 sq. mi.)								
	1.—MERSEY. Weaver. 27 sq. mi.								
D	Adderley (Raven House)	Mrs. Edmond Browne	5	1 1	270	...	24·20	174	124
	2.—DEE. 30 sq. mi.								
D	Whitchurch (Fenns Bank)	F. W. Sanders, Esq.	8	1 0	271	27·1	24·60	197	126
d	Overton (Sodylt Hall)	W. S. Corbett Lowe, Esq.	5	3 0	273	29·7	30·56	...	...
	3.—SEVERN. Right Bank Tributaries. 722 sq. mi.								
D	Bucknell Vicarage	Rev. W. A. Woodhouse	5	1 0	480	...	28·64	167	134
d	Ludlow (Hill Crest)	C. B. Marston, Esq.	5	1 6	350	...	(26·78)	...	...
D	Bromfield (Oakly Park)	Head Gardener	5	1 5	300	29·7	28·06	170	142
D	Burwarton (Dingle Leys)	R. B. C. Edwards, Esq.	5	0 11	730	...	34·59	179	140
D	Craven Arms (Westhope Cottage)	Lady Dyer	5	0 11	610	...	29·29	182	131
D	Lydbury North (Totterton)	Major W. H. B. Whitaker	5	1 6	700	30·8	29·13	159	132
D	Bishop's Castle (High School)	Headmaster	5	1 0	575	32·8	31·96	184	142
D	Bishops Castle (The Mount)	F. Lavender, Esq.	5	1 0	735	31·0	27·71	204	133
D	Church Stretton (Sewage Works)	A. Coupe, Esq.	5	1 0	582	33·0	30·19	199	137

* *Per* River Wye Catchment Board.

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	SHROPSHIRE—(*contd.*).		in.	ft. in.	ft.	in.	in.		
	3.—SEVERN. Right Bank Tributaries—(*contd.*).								
D	Bridgnorth (Morville Hall)	Dr. W. J. S. Bythell	5	1 5	320	...	26·04	166	127
D	Chirbury (Marrington Hall)	Col. C. S. Price-Davies	5	1 0	490	29·5	28·60	164	132
D	Shrewsbury (Frodesley Hall)	A. G. Fyshe, Esq.	5	1 0	472	...	30·54	181	130
D	Cressage (Harnage Grange)	Col. G. P. Pollitt	5	1 1	420	...	24·22	182	131
D	Worthen	Dr. D. M. Hunter	5	1 0	395	...	27·70	200	136
D	Wellington (Barnfield Crescent)	M. F. Richards, Esq.	5	1 0	445	...	24·28	180	131
D	Oakengates (St. George's)	F. Ogden, Esq.	5	1 0	500	...	27·81	170	134
D	Meole Brace Hall	J. B. Hoare, Esq.	5	1 0	250	...	24·06	154	122
D	Shrewsbury (Beckbury House)	G. H. Horsfall, Esq.	5	0 9	220	22·1	22·32	153	115
D	Shrewsbury (Longden Road)	Capt. J. Deedes	5	1 0	250	...	25·69	169	123
d	Shrewsbury (St. John's Hill)	Atcham R.D.C.	5	1 0	253	...	22·77	154	112
D	SHREWSBURY (Monkmoor)	Medical Officer of Health	8	1 0	184	...	22·15	178	120
	4.—SEVERN. Left Bank Tributaries. 564 sq. mi.								
D	Bridgnorth (Stanmore Hall)	The Hon. E. S. Hamilton-Russell	5	1 0	297	...	26·85	178	127
D	Hilton (Pumping Station)	B. L. McMillan, Esq., C.E.	5	1 0	168	...	26·58	161	125
D	Ackleton (The Folley)	H. J. Bath, Esq.	5	1 0	230	...	26·44	162	135
D	Pattingham (Kingslow Hall)	R. Tildesley, Esq.	5	1 0	300	...	24·50	177	121
	Shifnal (Ryton Rectory)	Rev. C. F. Ford	5	1 1	270	...	(24·98)	...	...
D	Shifnal (Hatton Grange)	Head Gardener	5	1 6	262	26·1	24·78	157	116
D	Shifnal (Cosford W.W.)	B. L. McMillan, Esq. C.E.	5	0 10	222	...	25·39	165	127
D	Wellington W.W. (Wrekin Res.)	The Surveyor	5	1 4	478	25·7	27·92	150	118
	Wellington (Allscott)	British Sugar Corpn., Ltd.	5	0 9	200	...	21·86	...	...
D	NEWPORT (Harper Adams Ag. Coll.)	Principal	5	1 0	211	24·8	21·91	184	124
D	SHAWBURY (Airfield) (+A)	Meteorological Office	5	1 0	235	...	22·77	167	128
D	Newport (Chetwynd Park)	J. G. B. Borough, Esq.	5	0 9	230	28·3	25·08	186	124
D	Wem (Senior School)	Headmaster	5	0 9	260	...	26·81	156	129
d	Cheswardine Hall	J. Donaldson-Hudson, Esq.	5	1 6	530	29·1	27·77	...	122
D	OSWESTRY (Filter Beds)	Lt.-Col. F. Hibbert, C.E.	5	1 0	568	...	34·00	189	143
D	Oswestry (Llanforda Reservoir)	Lt.-Col. F. Hibbert, C.E.	8	1 0	702	...	36·88	191	150
D	Oswestry (Mount Reservoir)	J. E. Taylor, Esq., C.E.	5	1 0	698	34·5	33·18	188	145
D	Oswestry (Cross Street)	J. R. Mackavoy, Esq.	5	1 0	398	...	35·00	201	142
D	Oswestry (Llwyn Terrace) (+A)	J. E. Taylor, Esq., C.E.	5	1 0	430	...	31·88	188	138
D	Ellesmere (Sheraton House)	C. Adam, Esq.	5	0 10	300	...	30·12	179	140
	STAFFORDSHIRE. (Area, 1.166 sq. mi.)								
	1.—MERSEY. Weaver. 50 sq. mi.								
D	Madeley Vicarage	Rev. W. Garner*	5	1 0	350	...	25·60	187	136
D	Biddulph Grange	Secretary	5	1 0	560	33·8	29·39	165	139
	2.—SEVERN. Left Bank Tributaries. 160 sq. mi.								
D	Kinver	R. A. Robertson, Esq., C.E.	5	1 0	152	...	23·94	168	128
D	Lye (Pumping Station)	G. P. Deeley, Esq.	5	1 0	245	...	25·09	139	117
D	Kinver (Prestwood)	R. A. Robertson, Esq., C.E.	5	1 0	179	...	25·10	158	126
D	Kingswinford (Ashwood P.S.)	R. A. Robertson, Esq., C.E.	5	1 0	207	24·9	25·23	166	128
D	Wolverhampton (Dimmingsdale W.W.)	B. L. McMillan, Esq., C.E.	5	0 9	323	...	26·01	168	128
D	Wolverhampton (West Park)	Dr. R. H. H. Jolly	5	1 0	430	27·1	28·06	190	128
D	Tettenhall Waterworks	B. L. McMillan, Esq., C.E.	5	0 10	468	...	27·33	171	128
D	Shifnal (Weston Park)	Earl of Bradford	5	1 6	400	27·3	24·27	188	132
D	Norbury Junction	Canal Engineer, L.M. & S.R.	5	1 0	331	28·0	22·53	161	126
D	MARKET DRAYTON (Ches. J. San.)	Medical Superintendent	5	1 0	581	...	27·01	179	145
D	Maer Hall Gardens	Miss Harrison, M.B.E.	5	1 0	390	32·5	28·37	167	144

* *Per* Cheshire Rivers Catchment Board.

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	STAFFORDSHIRE—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—TRENT. Right Bank Tributaries. 513 sq. mi.								
D	West Bromwich (Nicholls Street) (+A)	H. E. Howle, Esq.	8	1 0	537	...	27·33	190	127
D	Tividale (Sewage Disposal Works) ...	G. P. Deeley, Esq.	5	1 0	432	...	28·12	183	123
D	West Bromwich ... ... (+A)	Borough Surveyor	8	1 7	543	26·2	27·23	176	122
D	Tipton (Toll End Sewage Works) ...	The Manager	5	1 0	400	...	26·33	172	119
D	Wednesbury (Ocker Hill)	Birmingham Canal Navigtns.	5	1 0	476	26·6	28·95	170	131
D	Walsall (Bescot Sewage Farm) ...	M. E. Habershon, Esq. ...	5	0 11	376	26·9	27·20	179	125
D	Darlaston (Sewage Works)	S. E. Hammonds, Esq. ...	8	1 6	393	...	25·53	179	123
D	Willenhall Sewage Works	Engineer & Surveyor ...	5	0 10	390	...	26·41	178	124
D	Bilston (The Lunt Outfall)	Works Manager	8	1 0	419	27·3	26·13	173	129
D	WALSALL (Dartmouth Avenue) ...	J. C. W. Day, Esq. ...	5	1 0	455	...	26·74	184	127
D	Aldridge (Bourne Vale)	R. A. Robertson, Esq., C.E.	5	1 0	419	25·1	25·23	166	121
D	OAKEN (Manor House)	A. J. Parkes, Esq., M.C. ...	5	1 7	409	...	25·97	171	123
D	Shenstone (Little Hay)	R. A. Robertson, Esq., C.E.	5	1 0	298	...	26·15	177	127
D	Bloxwich (Sneyd Reservoir)	Birmingham Canal Navgtns.	5	1 0	507	25·5	29·84	162	132
D	Pelsall (Goscote Sewage Works) ...	M. Habershon, Esq. ...	5	1 0	435	...	24·88	170	125
D	Tamworth (Sewage Pumping Stn.) ...	K. Price, Esq.	8	0 10	182	...	24·86	185	121
D	Brownhills (Sandhills)	R. A. Robertson, Esq., C.E.	5	1 0	407	...	27·68	177	129
D	Brownhills	A. Wikeley, Esq.	5	1 8	492	26·8	26·63	156	123
D	Brewood (Slade Heath P.S.)	R. A. Robertson, Esq., C.E.	5	1 0	340	24·9	27·36	152	128
D	Hammerwich (Cannock Chase Res.)	Birmingham Canal Navgtns.	5	1 0	475	25·3	24·71	183	117
D	Whittington (Old Hall)	Mrs. S. A. Corn	5	1 3	221	...	25·94	146	118
D	†Cannock (Longford Rd. Sew. W.)(+A)	Cannock U.D.C.	5	1 0	400	...	26·09	182	131
D	Cannock (Heath Hayes Sew. Wks.) ...	Cannock U.D.C.	5	1 0	530	...	29·29	184	136
D	Brewood (Belvide Reservoir)	Canal Engineer, L.M. & S.R.	5	1 0	367	...	25·67	183	136
D	Elford	W. H. Haile, Esq., C.E. ...	5	1 0	183	...	22·99	151	112
D	†Hednesford (Scout House)	R. A. Robertson, Esq., C.E.	5	1 0	702	...	30·05	189	143
D	Rugeley (Longdon Lodge) ...	F. J. Dixon, Esq., C.B.E.‡	5	1 0	413	26·1	28·45	144	124
D	Hednesford (Pye Green)	R. A. Robertson, Esq., C.E.	5	1 0	768	...	29·33	182	133
D	Lichfield (Hanch Reservoir)	R. A. Robertson, Esq., C.E.	5	1 0	259	26·9	28·48	184	125
D	Rugeley (Slitting Mill)	R. A. Robertson, Esq., C.E.	5	1 0	299	...	27·77	173	128
D	Rugeley (Brindley Bank)	R. A. Robertson, Esq., C.E.	5	1 0	254	26·6	26·54	178	132
D	Milford Waterworks	G. J. Plant, Esq.	5	1 0	246	27·5	28·19	184	136
D	Stafford (Newport Road)	J. C. Burne, Esq.	5	1 0	250	...	27·47	188	131
D	Stafford (Victoria Pleasure Ground) ...	G. J. Plant, Esq.	5	1 6	245	27·2	26·08	181	130
D	Yarlet Hall	K. E. Tarling, Esq. ...	5	1 0	405	...	25·63	151	114
D	Eccleshall (Sugnall Hall)	C. E. Lowe, Esq.	5	1 0	450	...	27·65	168	136
D	Standon (Hatton W.W.)	C. V. Brown, Esq., C.E. ...	5	1 0	355	29·0	26·99	154	138
D	Whitmore Pumping Station	L.M. & S. Rly.	5	1 3	396	...	25·25	155	128
	4.—TRENT. Left Bank Tributaries. 193 sq. mi.								
D	Hamstall Ridware (No. 1)	R. A. Robertson, Esq., C.E.	5	1 0	214	...	24·49	170	124
D	Hamstall Ridware (No. 2)	R. A. Robertson, Esq., C.E.	5	1 0	240	...	25·25	171	126
D	†Burton Reservoir	R. A. Robertson, Esq., C.E.	5	1 0	309	25·1	22·80	159	124
D	Burton (Shobnall)	Messrs. Bass & Co., Ltd. ...	5	1 0	157	24·6	23·25	179	133
D	Burton-on-Trent (Outwoods)	R. A. Robertson, Esq., C.E.	5	1 0	310	...	24·72	175	133
D	Burton (Borough Hospital)	Medical Officer of Health ...	5	1 0	220	...	24·25	172	130
D	Blithfield Intake	R. A. Robertson, Esq., C.E.	5	1 0	273	...	28·43	176	138
D	Abbots Bromley (Port Fields) ...	R. A. Robertson, Esq., C.E.	5	1 0	316	...	28·35	176	142
M	Newton (Booth)	R. A. Robertson, Esq., C.E.	5	1 0	360	...	27·20	...	...
d	Kingston...	R. A. Robertson, Esq., C.E.	5	1 0	420	...	29·05	160	135
M	Gratwich (Caverswall Farm)	R. A. Robertson, Esq., C.E.	5	1 0	381	...	29·05	...	...
M	Gratwich (Fradswell)	R. A. Robertson, Esq., C.E.	5	1 0	450	...	26·85	...	...
M	Leigh (Middleton Green)	R. A. Robertson, Esq., C.E.	5	1 0	597	...	29·13	...	...
M	Leigh (Lane Farm)	R. A. Robertson, Esq., C.E.	5	1 0	500	...	28·87	...	...
M	Fulford Manor	R. A. Robertson, Esq., C.E.	5	1 0	710	...	27·35	...	...

† Turf wall round gauge. ‡ *Per* S. Staffs. W.W. Co.

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	STAFFORDSHIRE—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	4.—TRENT. Left Bank Tributaries.—(*contd.*).								
D	Draycott (Cresswell P.S.)	C. V. Brown, Esq., C.E.	5	1 0	538	...	32·03	187	150
D	Longton (The Meir)	C. V. Brown, Esq., C.E.	5	1 0	617	31·7	26·92	178	136
M	Caverswall (Hardwick Farm)	R. A. Robertson, Esq., C.E.	5	1 0	810	...	28·96	...	...
M	Longton (Hulme)	R. A. Robertson, Esq., C.E.	5	1 0	710	...	28·68	...	...
D	Hanley Sewage Works	W. H. Makepeace, Esq.	5	1 0	386	...	27·31	183	143
D	Werrington	R. A. Robertson, Esq., C.E.	5	1 0	860	...	31·23	166	137
D	Werrington (Wallmires P.S.)	Cheadle R.D.C.	5	1 0	761	...	31·54	206	147
	5.—TRENT. Dove. 250 sq. mi.								
D	Uttoxeter	Messrs.C.H.Elkes&Sons,Ltd.	5	1 0	295	...	26·76	170	124
D	Oakamoor (Lightoaks)	M. A. Bolton, Esq.	5	1 6	650	34·9	28·35	172	130
M	Dilhorne (Richmoor Hill)	R. A. Robertson, Esq., C.E.	5	1 0	919	...	30·38	...	...
D	Leek (Wall Grange P. Stn.)	C. V. Brown, Esq., C.E.	5	1 0	456	34·7	27·41	185	140
D	Leek (Moorhill)	A. Y. Worthington, Esq.	5	1 0	680	37·2	31·76	191	150
d	Onecote (New Mixon Hay)	Staffs. War Ag. Ex. Com.	5	1 0	1300	...	33·62	190	145
M	Leek (Withens, Upper Hulme)	J. A. Gilchrist, Esq.	5	1 1	1084	39·0	29·31	...	...
	WORCESTERSHIRE. (Area, 732 sq. mi.)								
	1.—SEVERN. Right Bank Tributaries. 222 sq. mi.								
D	Upton-on-Severn (Berryfield Ho.)	Dr. W. V. Naish	5	1 0	50	...	23·33	158	117
D	Malvern (British Camp Res.)	Malvern U.D.C.	5	1 0	677	28·5	24·33	161	121
D	Malvern Wells (White Lodge)	W. W. Boucher, Esq.	5	1 0	500	...	25·83	174	120
D	Malvern (Gloucester House)	Rev. F. H. Fowler, M.A.	5	1 4	400	...	25·53	165	131
D	MALVERN (Free Library)	Malvern U.D.C.	5	1 0	380	27·6	25·27	156	117
D	West Malvern	Malvern U.D.C.	5	1 0	832	28·9	24·61	159	120
D	Worcester (Diglis Lock)	H. J. Minett, Esq.	5	1 0	49	24·7	22·07	160	113
d	Shelsley Beauchamp	W. Lionel Moore, Esq.	5	0 9	132	...	26·29	...	...
D	Ombersley (Holt Lock)	H. J. Minett, Esq.	5	1 1	55	25·3	21·12	152	116
	Stourport (Astley Towne House)	F. J. Neale, Esq.	8	1 3	190	...	22·69	195	116
D	Tenbury (Belle View)	Miss M. M. Lowe	5	1 0	315	26·3	24·25	159	126
	2.—SEVERN. Left Bank Tributaries. 200 sq. mi.								
D	Earl's Croome Court	Late Lady Barbara Smith	5	1 6	75	...	21·84	142	122
D	Worcester (Waterworks)	City Engineer	5	1 0	52	23·2	22·49	165	119
D	Worcester (Samuel Southall School)	Headmaster	5	1 0	120	...	21·60	155	113
D	WORCESTER (PERDISWELL)	Horticultural Superintendent	5	1 0	94	...	21·72	149	117
D	Worcester (Bevere Lock)	H. J. Minett, Esq.	5	1 1	52	24·5	19·02	152	101
D	DROITWICH (Sewage Works)	Bor. Engineer & Surveyor	5	1 0	106	25·4	21·11	156	110
D	Bromsgrove (Tardebigge Res.)	E. Perry, Esq.	5	1 0	455	27·5	26·56	192	138
D	Bromsgrove (Sewage Disp. Wks.)	Bromsgrove U.D.C.	5	1 0	280	...	22·69	139	113
D	Bromsgrove (Burcot P.S.)	F. H. Bullock, Esq.	5	1 0	432	...	24·41	160	126
D	Barnt Green (Linthurst Road)	Miss M. Gibbins	5	1 0	650	...	28·56	177	134
D	Stourport (Lincombe Lock)	H. J. Minett, Esq.	5	1 0	62	25·6	22·51	155	116
D	Bromsgrove (Washing Stocks P.S.)	F. H. Bullock, Esq.	5	1 0	366	...	23·88	167	124
D	Bewdley (C.E. School)	J. Bates, Esq.	8	1 0	70	26·4	24·19	163	123
D	Kidderminster (Pumping Station)	Sanitary Inspector	5	1 0	200	...	23·71	151	113
d	Kidderminster (Park Hall)	K. H. Wilson, Esq.	5	1 0	200	25·7	25·13	...	...
d	Kidderminster (Wolverley Road)	R. D. M. Evers, Esq.	5	1 3	245	...	25·50	...	...
D	Bewdley (Elan Aqueduct)	C. A. Risbridger, Esq., C.E.	5	1 0	91	26·7	27·05	168	136
D	Clent Hall	Miss H. M. Wilson	5	1 0	600	...	28·78	171	136
d	Wolverley (Hill House)	J. Christopher Wilson, Esq.	5	0 8	250	...	27·10	...	...
D	Halesowen (Romsley)	R. A. Robertson, Esq., C.E.	5	1 0	616	30·6	29·01	160	132
D	Halesowen (Hayley Green)	C. Roberts, Esq.	5	1 0	500	...	28·26	168	120
D	Pedmore (Beckman Road)	A. Porter, Esq.	5	1 0	415	26·5	29·31	167	142

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	WORCESTERSHIRE—(*contd.*).		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	2.—SEVERN. Left Bank Tributaries—(*contd.*).								
D	Stourbridge (Pumping Station)	G. P. Deeley, Esq.	8	1	212	27·1	28·34	161	126
D	Netherton (Lodge Farm Res.)	Birmingham Canal Navgtns.	5	1	445	...	24·83	151	128
D	Dudley (Tipton Road)	F. H. Gibbons, Esq., C.E.	8	1	584	...	26·12	179	119
	3.—SEVERN. Upper Avon. 251 sq. mi.								
D	Bredon (Bredon House)	Col. M. F. Grant	5	1	120	24·5	19·70	175	115
D	Broadway (Farncombe)	G. Pemberton, Esq.	5	0	750	...	21·34	149	108
D	DEFFORD (Airfield)	(+A) Meteorological Office	5	1	56	...	17·21	153	110
D	Evesham (Bengeworth)	Messrs. Ross Bros., Ltd.	5	1	128	22·9	18·43	152	106
D	Evesham (Bretforton Manor)	H. Ashwin, Esq.	5	0	130	...	21·78	162	114
D	Evesham (Sewage Works)	H. Parks, Esq.	5	1	85	22·6	18·63	140	101
D	Evesham (High St.)	N. A. Field, Esq.	5	1	170	...	20·02	160	112
d	Evesham (Port Street)	Messrs. Craven & Co.	5	1	72	...	18·33	...	...
D	Pershore (Three Springs)	C. A. Mumford, Esq.	5	4	72	...	18·39	136	102
D	Crowle (Manor House)	Miss C. Moore	5	1	116	...	19·69	135	105
	Alcester (Cookhill)	T. Barber, Esq.	5	1	400	24·5	20·79	...	...
D	Redditch (Hewell Gardens)	Mr. F. Molyneux	5	1	469	27·7	22·72	156	112
D	Bromsgrove (Brockhill P.S.)	F. H. Bullock, Esq.	5	1	439	...	23·59	173	130
D	Bromsgrove (Lower Bittall Res.)	E. Perry, Esq.	5	1	457	...	25·94	174	134
	4.—THAMES. Windrush & c. 3 sq. mi.								
	5.—TRENT. Right Bank Tributaries. 56 sq. mi.								
D	Oldbury (Barnford Hill Park)	Borough Surveyor	5	0	607	...	28·78	162	132
d	Dudley (Bluecoat Senior School)	S. Wright, Esq.	5	1	660	...	28·91	...	...
D	Dudley (Shavers End) No. 1	R. A. Robertson, Esq., C.E.	5	1	745	...	26·02	161	122
	WARWICKSHIRE. (Area, 944 sq. mi.)								
	1.—SEVERN. Upper Avon. 640 sq. mi.								
M	Long Compton (Old Quarry)	D. E. Landale, Esq.	5	1	450	...	20·87	...	...
d	Long Compton (Weston Park)	Mrs. H. B. Warriner	8	1	510	26·5	22·61	...	119
D	SHIPSTON-ON-STOUR (Compton Scorp.)	A. W. Beecham, Esq.	5	1	364	...	21·46	169	116
d	Tredington	Mrs. N. H. Walton	5	1	250	...	20·44	...	...
D	Kineton (Butlers Marston)	G. B. Blyth, Esq.	5	1	300	...	21·59	192	119
D	STRATFORD-ON-AVON (Drayton Manor)	Sir G. Stapledon, C.B.E.	5	1	160	...	19·37	154	124
D	Stratford-on-Avon (Milcote)	P. C. Smart, Esq., C.E.	5	1	122	23·6	20·04	146	107
D	Stratford-on-Avon (Thurlaston)	Miss M. A. Everard	5	1	135	24·2	21·33	166	115
D	Bidford (Moor Hall)	E. H. Cubberley, Esq.	5	1	125	24·0	19·04	162	109
D	Temple Grafton Court	T. L. Lonsdale, Esq.	8	1	270	24·8	21·95	138	117
D	Alcester (Ragley Hall)	Mr. A. W. Richards	5	1	270	25·8	23·03	136	119
D	Alcester (Arrowside)	J. B. Shewell, Esq.	5	1	148	...	19·55	145	101
D	Ashorne (Victoria Cottage)	G. T. Osborn, Esq.	5	1	160	24·7	23·19	159	116
D	Stratford-on-Avon (Snitterfield)	P. C. Smart, Esq., C.E.	5	1	274	25·2	20·76	133	112
D	Alcester (The Pleck)	Miss C. E. Chapman	5	0	250	...	20·27	151	105
D	Southam (Banbury Road)	C. W. Arkell, Esq.	5	0	250	...	20·26	158	111
D	Studley College	Headmistress	5	0	256	...	20·70	164	115
D	Warwick (Mill Street)	Mr. H. F. Smale	5	1	164	25·3	21·89	154	111
D	Warwick (St. Nicholas Park)	R. Wormell, Esq., C.E.	5	1	155	...	22·15	150	115
D	LEAMINGTON SPA (Pump Rm. Gdns.)	Medical Officer of Health	8	1	163	24·0	20·75	156	110
d	Warwick (Hatton)	Grand Union Canal Co.	5	1	400	...	24·66	...	...
D	Leamington Spa (Woodland Grange)	H. M. Blenkinsop, Esq.	8	1	200	...	24·11	152	115
D	Leek Wootton (The Lodge)	W. F. Mitchell, Esq.	5	1	249	...	22·80	169	124
D	Dunchurch Hall	C. L. D. Fawcus, Esq.	5	1	400	...	20·57	136	107
D	Dunchurch Lodge Gardens	Major H. S. Cayzer	5	1	380	24·4	23·07	160	130

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with .01 in. or more	Days with .04 in. or more
	WARWICKSHIRE—(*contd.*).			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—SEVERN. Upper Avon—(*contd.*).									
D	Kenilworth (U.D.C. Offices)		Surveyor	5	1 6	286	...	21·24	132	117
D	Kenilworth (HONILEY)	(+A)	Meteorological Office	5	0 11	427	...	22·65	162	112
D	Stretton-on-Dunsmore (Manor Ho.)		L. Lister-Kaye, Esq.	5	1 0	280	...	22·36	157	113
D	Rugby (Bilton Grange)		Mr. L. W. Bass	5	2 6	400	...	20·16	148	116
D	RUGBY (Lawrence Sheriff School)		G. H. Thompson, Esq.	5	1 0	385	...	20·47	136	107
D	Rugby (Avon W.W.)		Borough Engineer	5	0 9	285	...	19·23	156	114
D	Ryton-on-Dunsmore (Ryton House)		Mrs. Browett	5	1 2	260	26·0	21·79	124	106
D	Coventry (Whitley Pumping Stn.)		City Engineer, Coventry	8	1 0	238	...	21·39	163	114
D	Coventry (Stoke)		W. R. Griffiths, Esq.	5	1 0	267	...	20·56	148	113
D	COVENTRY (City Hospital)		Medical Officer of Health	8	1 0	241	26·0	21·35	156	112
D	Nuneaton (Bedworth Waterworks)		Waterworks Manager	5	1 1	337	...	23·91	158	120
D	Astley Vicarage		Rev. I. F. H. Carr-Gregg	5	1 0	440	...	23·45	141	115
	2.—THAMES. Windrush & c. 2 sq. mi.									
	3.—THAMES. Cherwell. 15 sq. mi.									
	4.—TRENT. Right Bank Tributaries. 287 sq. mi.									
d	Earlswood (Fulford Hall)		J. H. Aston, Esq.	8	1 2	500	...	25·50	...	...
D	Coventry (Balsall Common)		W. F. E. Seeley, Esq.	5	1 8	380	...	25·64	167	125
D	Highters Heath Res.		C. A. Risbridger, Esq., C.E.	5	1 0	517	...	26·16	169	128
D	Halesowen (Frankley)		C. A. Risbridger, Esq., C.E.	5	0 10	571	30·7	28·26	168	125
D	Northfield (Bartley Res. No. 1)		C. A. Risbridger, Esq., C.E.	5	1 0	600	...	30·50	175	123
D	Moseley (Cotton Lane)		U. A. Baker, Esq.	5	1 0	500	...	27·53	185	130
D	Bartley (Bromwich Wood)		C. A. Risbridger, Esq., C.E.	5	1 0	611	...	31·12	175	128
D	Selly Oak (Frederick Road)		Mrs. E. H. Leonard	5	1 0	540	29·2	29·11	176	132
D	BIRMINGHAM (SPARKHILL)		D. H. Owen, Esq.	5	1 0	425	28·1	27·09	169	128
D	BIRMINGHAM (Edgbaston)		Midland Inst. (A. J. Kelley)	8	1 0	535	26·5	28·28	175	134
D	Birmingham (Rotton Park)		Birmingham Canal Navgtns.	5	1 0	477	...	24·51	159	117
D	Birmingham (Stechford)		Birmingham Drainage Bd.	5	1 3	302	...	25·44	171	130
D	Birmingham (Victoria Road)		D. M. Evans, Esq.	5	1 0	469	...	27·06	180	123
D	Birmingham (Saltley Sewage Works)		Birmingham Drainage Bd.	5	1 0	292	...	24·68	162	120
D	Nuneaton (The Quarry)		Miss K. E. Smith	5	1 0	321	...	21·56	161	111
D	Birmingham (Handsworth Park)	(+A)	City Engineer	8	1 4	424	...	27·29	180	127
D	Whitacre (Birmingham W.W.)		C. A. Risbridger, Esq., C.E.	5	1 0	269	26·0	22·18	165	107
D	Birmingham (Erdington)		C. A. Risbridger, Esq., C.E.	5	1 0	442	...	25·06	169	129
D	B'gham (Erdington, Spring La.)	(+A)	City Engineer	8	1 0	386	...	25·37	179	123
D	Minworth Greaves		Birmingham Drainage Bd.	8	1 0	386	24·3	22·75	161	111
d	Nuneaton Pumping Station		R. C. Moon, Esq., C.E.	5	1 3	269	...	20·32	141	101
D	Perry Barr Reservoir		C. A. Risbridger, Esq., C.E.	5	1 0	515	...	26·16	183	127
d	Nuneaton (Hartshill Sewage Wks.)		R. C. Moon, Esq., C.E.	5	1 2	288	...	19·73	138	103
d	Sutton Coldfield (The Park)		Borough Surveyor	5	1 0	370	26·4	24·52	...	122

DIVISION VII—NORTH MIDLAND COUNTIES

	LEICESTERSHIRE. (Area, 824 sq. mi.)									
	1.—SEVERN. Upper Avon. 41 sq. mi.									
D	South Kilworth (Stanford Res.)		Borough Engineer	5	1 0	365	...	22·58	208	125
D	Welford (The Reservoir)		Grand Union Canal Co.	5	2 0	430	25·1	20·82	180	120
d	North Kilworth W.W.		Market Harborough U.D.C.	5	1 0	490	...	20·26	...	109
d	Lutterworth (Waterworks)		Surveyor	8	1 9	365	*24·8*	21·52	...	...

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	LEICESTERSHIRE—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—WELLAND. 96 sq. mi.								
D	Market Harboro' (Coventry Road)	G. C. Wooldridge, Esq.	5	1 0	270	...	20·05	164	111
D	Market Harboro' (Rose Hill)	Miss E. Nicholson	5	1 0	350	...	23·07	156	120
D	Kibworth Harcourt	Major A. E. Briggs	8	1 2	415	...	24·51	165	136
D	Rockingham (Caldecott)	Corby & District Water Co.	8	1 3	180	23·8	19·30	164	116
d	East Norton	Miss E. Wortley	5	1 0	460	...	21·95	...	...
	3.—WITHAM. 7 sq. mi.								
	4.—TRENT. Right Bank Tributaries. 680 sq. mi.								
D	Frolesworth	W. P. Widdowson, Esq.	5	1 0	370	...	21·49	168	119
D	Hinckley (Bowling Green Road)	S. Webster, Esq.	5	1 0	400	...	22·71	168	129
D	Wistow Hall Gardens	The Lord Cottesloe, C.B.	5	1 0	309	23·6	20·63	171	127
D	Countesthorpe (Wigston Sewage Fm.)	Surveyor	8	0 9	257	22·8	20·64	184	131
D	Leicester (London Road)	L. Herbert, Esq.	5	4 0	300	...	22·31	145	120
D	Leicester (Stoughton Drive North)	M. Murray, Esq.	5	1 0	240	...	22·26	167	122
D	LEICESTER (County Hospital)	Medical Officer of Health	5	1 0	325	...	21·60	150	120
D	*Leicester (Town Hall Square)	City Engineer	5	1 0	212	...	20·57	153	118
D	Leicester (Woodville Road)	E. A. Bonser, Esq.	5	1 0	200	...	21·52	169	122
D	†Leicester (The Towers Hospital)	The Clerk and Steward	8	1 0	266	24·2	20·63	160	122
D	Leicester (Gilroes Cemetery)	City Engineer	5	1 0	294	...	21·41	142	117
D	Lowesby Hall Gdns.	Head Gardener	5	0 9	517	26·3	21·83	159	129
D	Thornton Reservoir	Leicester W.W.	8	1 2	370	26·2	21·57	166	122
D	Cropston (Bradgate Res.)	Leicester W.W.	8	1 0	245	27·2	21·50	187	130
D	Barkby Hall	Victor R. Pochin, Esq.	5	1 0	227	24·5	19·82	147	114
D	Ulverscroft (Chitterman House)	C. Booth, Esq.	5	0 11	666	...	24·52	185	138
D	Netherseal (Chilcote)	R. A. Robertson, Esq., C.E.	5	1 0	240	...	22·35	169	118
D	Swithland (The Brand)	Leicester W.W.	8	1 0	171	26·0	21·65	186	135
D	Asfordby Hill (Ironworks)	Stanton Ironworks Co. Ltd.	5	1 1	324	*23·0*	18·83	178	116
d	Loughborough (Park Road)	W. Llewellyn Mold, Esq.	5	1 0	190	23·7	21·36	...	113
D	Loughborough (Nanpantan Res.) (+A)	W. Granger, Esq., C.E.	5	1 0	269	26·1	22·73	163	121
D	Loughborough (Fairmount Drive)	B. N. Wale, Esq., B.Sc.	5	0 6	210	...	21·70	160	120
D	Loughborough (Sewage Farm)	W. Granger, Esq., C.E.	8	1 0	135	23·1	20·80	136	117
D	Burton-on-Wolds (Burton Hall)	Earl of Huntingdon	5	1 0	270	24·2	19·22	155	132
D	Prestwold Hall Gardens	Mr. L. Brightwell	8	1 0	209	24·7	19·44	163	119
D	WYMESWOLD (Airfield) (+A)	Meteorological Office	5	1 0	272	...	20·93	168	108
	Scalford	Melton Mowbray U.D.C.	8	0 10	343	...	22·72	...	...
D	Waltham-on-the-Wolds	V. E. Higgens, Esq.	5	1 0	560	...	21·22	174	124
	RUTLAND. (Area, 152 sq. mi.)								
	1.—WELLAND. 125 sq. mi.								
	2.—WITHAM. 5 sq. mi.								
	3.—TRENT. Right Bank Tributaries. 22 sq. mi.								
	LINCOLNSHIRE. (Area, 2,645 sq. mi.)								
	1.—NENE. 99 sq. mi.								
d	Crowland	F. Husband-Clutton, Esq.	5	1 0	10	*21·9*	17·26	...	106
D	Tydd (North Level Sluice)	Mr. S. Watson	5	1 0	10	23·3	20·18	171	112
D	Sutton Bridge	S. Holland Drainage Bd.	5	1 0	21	...	18·11	155	119
D	Long Sutton (White House Farm)	A. H. Cooke, Esq.	5	1 0	10	...	15·66	...	...
D	Spalding (Weston St. Mary)	R. Welland Catchment Bd.	5	1 0	10	...	15·40	125	89

* Gauge oversheltered. † Formerly called City Mental Hospital.

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	LINCOLNSHIRE—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—WELLAND. 341 sq. mi.								
D	Market Deeping (Wilsthorpe)	F. J. Smith, Esq.	8	1 0	51	20·9	18·17	152	99
D	Barholm	W. Thurlby, Esq.	5	1 2	45	...	20·68	127	113
D	Deeping St. Nicholas	T. R. Pick, Esq.	5	0 9	13	...	21·15	124	100
D	Spalding (Pode Hole)	S. Holland Drainage Bd.	8	1 3	12	23·5	18·88	168	104
D	Spalding (Surveyors Depot)	Surveyor	5	1 8	24	...	18·36	127	92
d	Bourne (Guthram)	L. I. Clark, Esq., C.E.	5	1 0	3	*21·1*	18·29	139	92
d	Whaplode (Irby Hall Farm)	T. R. Pick, Esq.	5	0 10	11	...	16·09	...	...
D	Holbeach (Manor Farm)	F. H. Bowser, Esq.	5	2 1	10	...	15·64	133	90
D	Holbeach (Willow Tree Farm)	F. H. Bowser, Esq.	5	2 1	10	...	15·47	112	89
	3.—WITHAM & C. 1,085 sq. mi.								
d	Denton	Culverthorpe Dairy Fm. Ltd.	5	1 6	300	...	19·23	...	...
d	Billingborough	N. Hodgkinson, Esq.	5	0 10	50	...	19·04	148	102
D	Grantham (Saltersford Pump. Stn.)	Manager	5	0 6	188	*24·1*	19·31	165	117
D	Kirton	Messrs. W. Dennis & Sons, Ltd.	5	1 0	12	...	19·88	160	104
D	Wyberton (Tytton Hall)	L. I. Clark, Esq., C.E.	5	1 0	10	...	18·57	144	109
d	Wyberton (Slippery Gowt Farm)	J. T. Cannon, Esq.	5	1 0	10	...	17·38	...	104
D	Boston (Black Sluice, Skirbeck)	F. H. Tomes, Esq.	8	1 3	11	22·8	19·20	151	112
D	Boston (Cooks Lock)	L. I. Clarke, Esq., C.E.	5	1 7	11	...	17·42	142	95
D	Boston (Church Road Pump. Stn.)	Borough Surveyor	5	1 0	8	...	19·44	142	107
D	BOSTON (FREISTON ROAD)	N. H. Middlebrook, Esq.	5	1 0	16	...	19·25	152	108
D	Boston (Grand Sluice)	F. H. Tomes, Esq.	8	0 9	17	*22·9*	18·13	147	104
D	Boston (Amber Hill)	G. Graves, Esq.	5	1 0	...	...	17·65	162	109
D	Boston (Sibsey Road)	A. O. Scrivener, Esq.	8	1 6	9	...	17·48	139	99
D	Boston (Cowbridge)	G. E. Buchner, Esq., C.E.	5	1 0	9	...	18·60	137	102
d	Old Leake (Leverton)	G. E. Buchner, Esq., C.E.	5	1 3	10	...	18·21	123	99
D	CRANWELL (Airfield) (+A)	Meteorological Office	8	1 0	203	23·2	18·09	156	105
d	Ruskington	B. E. Brighton, Esq.	5	1 7	30	...	18·26	...	...
d	Sibsey (Ivydene)	J. T. Allewell, Esq.	5	1 0	20	...	20·89	...	108
D	Wildmore	G. E. Buchner, Esq., C.E.	5	1 0	12	...	17·35	138	101
D	New Leake (Lade Bank Engine)	G. E. Buchner, Esq., C.E.	5	1 3	13	*22·6*	18·47	139	101
D	Carrington Grange	T. J. Ward, Esq.	5	4 0	15	*23·4*	22·47	146	127
d	Wellingore (The Gardens)	A. Calder, Esq.	5	2 0	260	...	(19·59)	...	...
d	Eastville (Station Farm)	G. A. Freeman, Esq.	5	1 0	8	...	(19·64)	130	107
D	Carlton-le-Moorland	Mrs. J. Brocklebank	5	1 2	50	*23·3*	(20·45)	140	122
D	Norton Disney (The Vicarage)	Rev. R. K. Roper	5	1 0	49	...	20·69	147	121
D	East Kirkby (East Kirkby Manor)	Capt. R. S. Fieldsend	5	1 0	35	*23·8*	21·76	157	116
D	Revesby Reservoir	D. H. Ball, Esq.	5	2 0	124	24·5	19·40	122	105
D	Woodhall Spa (Waterworks)	Clerk to the Council	5	1 6	45	...	18·43	122	90
D	Potterhanworth (Old Hall)	T. H. N. Battle, Esq.	5	0 10	50	...	22·09	154	114
D	Horncastle	F. J. Harvey, Esq.	5	1 0	120	*24·8*	22·61	153	112
D	Lincoln (Swallowbeck)	W. R. Pennell, Esq.	8	1 0	34	*22·9*	18·95	153	109
D	LINCOLN (Beaumont Fee)	Medical Officer of Health	5	1 0	45	...	19·94	154	118
D	Lincoln (Skellingthorpe Hall)	Mrs. Bergne-Coupland	5	1 0	40	23·1	17·91	153	105
D	Lincoln (Eastbourne Street)	R. Osborne, Esq.	8	1 0	51	...	20·25	156	108
D	Lincoln (Burton Road)	G. W. Valley, Esq.	5	1 7	200	...	20·39	146	116
D	Sudbrooke (The Manor House)	Miss A. M. Scorer	5	1 0	55	...	16·99	140	104
D	Hackthorn Hall	Lt.-Col. W. Cracroft-Amcotts	5	4 10	102	*23·2*	18·10	140	105
	4.—GREAT EAU & C. 443 sq. mi.								
D	Boston (Eastville)	G. E. Buchner, Esq., C.E.	5	1 3	3	...	17·56	138	91
D	Firsby	G. E. Buchner, Esq., C.E.	5	1 0	26	...	18·05	144	104
D	SKEGNESS (Marine Gardens)	Surveyor	8	1 0	15	23·3	17·36	134	90
D	Hagworthingham (Manor House)	W. W. Clark, Esq.	5	1 0	200	*27·2*	19·66	139	108
D	Wold Newton Manor	W. Maurice Wright, Esq.	5	1 6	230	*27·2*	24·12	163	123
D	Grainthorpe Council School	Headmaster	5	1 0	9	...	17·05	155	97

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	LINCOLNSHIRE—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—HUMBER. Right Bank Tributaries. 428 sq. mi.								
D	Glentham (Bishopbridge)	A. R. Haynes, Esq.	5	1 1	20	...	18·97	160	103
D	Brigg (Sugar Factory)	British Sugar Corp. Ltd.	5	1 0	134	...	19·57	172	103
D	Brigg (Wrawby Road)	A. R. Haynes, Esq.	5	1 1	22	*24·8*	19·96	160	108
D	Cleethorpes (Outfall Pumping Stn.)	Engineer and Surveyor	8	... ...	15	...	18·84	135	100
D	CLEETHORPES (Kings Parade)	Engineer & Surveyor	5	1 0	23	*24·0*	19·41	153	111
D	Grimsby (Little Coates Pump. Stn.)	Engineer & Manager	5	1 0	14	...	19·85	160	108
D	Brocklesby Park	Head Gardener	5	1 9	50	*27·0*	19·91	146	94
D	HABROUGH (Home Farm)	R. F. Blakeborough, Esq.	5	1 0	64	...	18·79	248	106
D	Immingham (Compressor Stn.)	Grimsby R.D.C.	5	1 1	13	...	17·86	141	110
D	Normanby	Major E. C. R. Sheffield	5	1 0	185	...	20·89	154	108
D	Ferriby Sluice	K. Straw, Esq.	5	1 0	18	*24·5*	21·77	155	104
	6.—TRENT. Right Bank Tributaries. 172 sq. mi.								
D	Woolsthorpe	British Railways	5	1 3	182	*23·4*	19·05	137	111
D	Torksey (Pumping Station)	H. Heath, Esq.	8	1 0	22	*23·2*	20·22	163	122
D	Gate Burton Hall	The Hon. Mrs. Sandars	5	4 0	97	*23·1*	19·41	124	114
D	Scunthorpe (Brumby Sec. Mod. School)	Headmaster	5	2 0	100	...	22·29	144	112
	7.—TRENT. Left Bank Tributaries. 77 sq. mi.								
D	Wroot (S. Level Pumping Station)	W. H. Haile, Esq., C.E.	5	1 6	7	...	19·63	133	113
D	West Butterwick (Croft House)	West Butterwick Drain. Bd.	5	... ...	20	...	21·02	137	118
D	Crowle (N. Level Pumping Station)	W. H. Haile, Esq., C.E.	5	2 0	10	22·0	19·25	127	103
d	Crowle (Wharf Road)	Crowle Drainage Board	5	1 0	17	...	20·25	...	...
	NOTTINGHAMSHIRE. (Area, 843 sq. mi.)								
	1.—WITHAM. 10 sq. mi.								
	2.—TRENT. Right Bank Tributaries. 218 sq. mi.								
D	SUTTON BONINGTON	Principal	5	1 0	157	21·7	20·51	159	117
D	Ruddington (Westlands)	late J. D. Walker, Esq.	5	1 0	100	24·3	19·24	158	109
d	Nottingham (Wilford Hill Res.)	B. W. Davies, Esq., C.E.	8	1 0	295	23·1	19·75	...	...
D	Newark (The Friary)	J. H. Clarke, Esq., C.E.	5	2 0	48	23·4	18·50	141	114
D	Newark (Sewage Works)	J. H. Clarke, Esq., C.E.	5	1 0	33	...	17·48	139	113
D	Kelham (Sugar Factory)	British Sugar Corpn. Ltd.	5	1 0	40	...	17·98	126	103
	3.—TRENT. Derwent. 2 sq. mi.								
	4.—TRENT. Erewash. 42 sq. mi.								
D	Nottingham (Strelley)	Miss Edge	8	1 0	396	26·2	23·05	171	122
D	Nottingham (STRELLEY Hall)	Miss Edge	5	1 0	378	...	23·25	169	120
D	Bulwell (Watnall Reservoir)	B. W. Davies, Esq., C.E.	8	1 0	468	29·0	21·17	152	112
D	Eastwood Waterworks	B. W. Davies, Esq., C.E.	8	1 3	243	25·9	24·18	183	130
d	Eastwood Hall	National Coal Board	5	1 0	218	...	24·82	...	...
D	Eastwood (Moorgreen Res.)	British Railways	5	2 0	301	27·4	22·91	171	124
	5.—TRENT. Left Bank Tributaries. 569 sq. mi.								
d	Beeston (Council Depot)	G. C. Hardy, Esq.	5	1 7	97	24·5	20·24	...	...
d	Bramcote Reservoir	B. W. Davies, Esq., C.E.	8	1 0	327	...	20·93	...	...
D	Nottingham (Sneinton P.S.) (+A)	R. M. Finch, Esq., C.E.	8	1 0	83	22·5	19·08	148	111
D	*NOTTINGHAM (The Castle)	R. M. Finch, Esq., C.E.	8	1 0	192	23·6	19·91	158	115
d	Nottingham (Colwick Sugar Fact.)	British Sugar Corpn. Ltd.	5	0 9	70	...	18·33	...	...
d	Nottingham (Colwick Hill Res.)	B. W. Davies, Esq., C.E.	8	1 0	314	...	18·88	...	...
D	Nottingham (Stoke Bardolph)	R. M. Finch, Esq., C.E.	8	1 0	66	22·6	18·05	134	106

* Exposure unorthodox in certain directions.

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in or more
	NOTTINGHAMSHIRE—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5—TRENT. Left Bank Tributaries.—(*contd.*).								
D	Nottingham (Mapperley Hill)	Medical Superintendent ...	8	1 0	400	24·9	22·92	151	121
D	Nottingham (Basford W.W.)	B. W. Davies, Esq., C.E. ...	8	1 0	168	24·0	22·49	172	125
D	Burton Joyce Waterworks	B. W. Davies, Esq., C.E. ...	8	1 0	65	25·2	19·87	157	119
D	Nottingham (Mansfield Road) ...	Mrs. M. K. Darnbrough ...	5	0 8	250	...	24·55	171	127
D	Nottingham (Woodthorpe)	A. B. Tinn, Esq., F.R.Met.S.	5	1 0	225	24·0	23·33	173	126
D	Bulwell (Bestwood W.W.)	B. W. Davies, Esq., C.E. ...	8	1 0	312	25·7	22·02	175	119
d	Daybrook (Red Hill Reservoir) ...	B. W. Davies, Esq., C.E. ...	8	1 0	404	25·7	22·05	...	...
d	Daybrook (Ramsdale Hill Res.) ...	B. W. Davies, Esq., C.E. ...	8	1 0	504	28·1	23·32	...	...
D	Bulwell Hall Park	R. M. Finch, Esq., C.E. ...	8	1 0	252	27·3	24·01	154	121
D	Papplewick (Waterworks)	B. W. Davies, Esq., C.E. ...	8	1 0	317	26·5	24·25	167	129
D	Southwell (The Nurseries)	H. Merryweather & Sons Ltd.	5	1 0	125	...	24·11	166	125
D	Sutton-in-Ashfield (Rushley P.S.) ...	Messrs. G. & F. W. Hodson	5	1 0	462	27·1	25·52	142	120
D	Sutton-in-Ashfield (Sewage Wks.) (+A)	A. G. Dunks, Esq. ...	5	1 0	456	28·9	25·90	175	127
D	Mansfield (Rainworth W.W.) ...	F. C. Sylvester, Esq. ...	5	0 8	349	26·8	23·87	163	124
D	Bilsthorpe (Rufford P.S.)	B. W. Davies, Esq., C.E. ...	8	1 0	277	...	23·83	159	117
D	MANSFIELD (Carr Bank)	Borough Surveyor	8	0 10	357	27·9	24·03	144	117
D	Clipstone Waterworks	F. C. Sylvester, Esq. ...	5	1 0	225	24·9	19·94	151	109
D	Ollerton (Boughton W.W.)	B. W. Davies, Esq., C.E. ...	8	1 0	141	24·0	20·55	140	102
D	Welbeck Abbey	Duke of Portland	8	1 2	196	...	23·29	180	125
D	Clumber Gardens	National Trust	5	1 6	150	25·5	21·41	169	118
	Elkesley Pumping Station	Lincoln Waterworks ...	5	1 0	120	23·2	21·25	...	...
D	Worksop (Bracebridge Sewage Wks.)	Borough Engineer	8	1 0	97	23·9	20·49	164	121
D	Worksop (Osberton Gardens)... ...	Capt. R. H. Walker ...	5	1 6	85	22·8	21·18	148	114
D	Worksop (Sunnyside W.W.)	Borough Engineer	8	1 0	245	...	20·99	145	109
D	Retford (Sir Frederick Milner School)	Headmaster	5	3 6	55	...	20·20	152	108
D	Retford (Sewage Disposal Wks.) ...	Borough Surveyor	5	1 0	74	...	20·05	130	97
D	Retford (Babworth Hall)	Maj.-Gen. Sir John Whitaker	5	1 6	98	22·9	18·61	165	109
D	Worksop (Wigthorpe Hill)	R. C. P. Ramsden, Esq. ...	5	1 0	100	23·3	19·13	157	108
d	Harworth Colliery	Messrs. Barber, Walker & Co.	5	1 0	120	23·5	19·33	...	107
D	Gringley Carr Pumping Stn.† ...	G. H. Simmons, Esq. ...	5	1 0	21	...	19·24	158	113
	6.—OUSE. Don. 2 sq. mi.								
	DERBYSHIRE. (Area, 1,017 sq. mi.)								
	1.—MERSEY. UPPER. 93 sq. mi.								
M	§Buxton (Goyts Moss)	Stockport Corporation W.W.	5	1 0	1410	51·1	42·94	...	...
M	Buxton (Cat and Fiddle Inn)	Stockport Corporation W.W.	5	1 0	1610	53·7	42·30	...	...
M	§Buxton (Berry Clough)	Stockport Corporation W.W.	5	1 0	1550	...	46·43	...	...
D	§Buxton (Goytsclough)	Stockport Corporation W.W.	5	1 0	1175	...	47·77	198	173
D	§Buxton (Goytshead)	Stockport Corporation W.W.	5	1 0	925	...	44·88	198	171
M	§Buxton (Longhill)	Stockport Corporation W.W.	5	1 0	1390	...	44·60	...	...
M	Buxton (Embridge)	Stockport Corporation W.W.	5	1 0	1430	...	43·41	...	...
D	§Fernilee (Upper Hall)	Stockport Corporation W.W.	5	1 0	940	...	41·95	197	165
D	§Taxal (Oldfield)	Stockport Corporation W.W.	5	1 0	820	...	41·66	198	161
M	§Taxal (Blackhillgate)	Stockport Corporation W.W.	5	1 0	1190	...	37·70	...	...
D	Whaley Bridge (Todds Brook) ...	Mr. F. Bowden	5	1 3	602	41·5	36·06	217	161
M	§Hayfield (Dimpus Clough)	Stockport Corporation W.W.	5	1 0	1250	...	40·28	...	...
M	§Hayfield (Upper Sett)	Stockport Corporation W.W.	5	1 0	1420	...	43·91	...	...
M	§Hayfield (Oaken Clough)	Stockport Corporation W.W.	5	1 0	1250	...	40·24	...	...
M	§Hayfield (Tunstead Clough)	Stockport Corporation W.W.	5	1 0	1125	...	40·15	...	...
M	§Hayfield (Red Brook)	Stockport Corporation W.W.	5	1 0	1950	...	51·38	...	...
M	§Hayfield (Kinder Source)	Stockport Corporation W.W.	5	1 0	2050	...	53·89	...	...
D	§Hayfield (Kinder Filters) ... (+A)	Stockport Corporation W.W.	5	1 0	800	...	39·27	201	147

† Station formerly called Misterton (Soss P.S.). § Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with .01 in. or more	Days with .04 in. or more
	DERBYSHIRE.—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	1.—MERSEY. UPPER—(*contd.*).								
M	§Hayfield (Upper Moor)	Stockport Corporation W.W.	5	1 0	1280	...	46·26	...	...
D	§Hayfield (Hollin Head)	Stockport Corporation W.W.	5	1 0	950	...	45·56	200	161
M	§Hayfield (Middle Moor)	Stockport Corporation W.W.	5	1 0	1170	...	39·43	...	...
M	§Hayfield (Sandy Heys)	Stockport Corporation W.W.	5	1 0	2040	...	50·91	...	...
M	§Hayfield (Leygatehead Moor)... ...	Stockport Corporation W.W.	5	1 0	1530	...	(41·54)	...	...
M	§Hayfield (Mill Hill)	Stockport Corporation W.W.	5	1 0	1625	...	41·39	...	...
D	Glossop W.W. (Swineshaw)	Geo. Faulds, Esq., C.E. ...	5	3 0	733	43·2	38·08	190	147
M	§Torside (Clough Edge)	Manchester Corp. W.W. ...	5	1 0	1452	50·9	46·76	...	...
M	§Bleaklow Hill (Far Black Clough) ...	Manchester Corp. W.W. ...	5	1 0	1683	56·7	53·74	...	...
	2.—MERSEY. Weaver. 2 sq. mi.								
D	Buxton (Portobello Bar)	Borough Engineer	8	1 0	1600	55·9	44·48	223	174
	3.—TRENT. Right Bank Tributaries. 68 sq. mi.								
D	Church Gresley (Maurice Lea Park) ...	Swadlincote U.D.C. ...	5	1 0	400	...	23·30	116	114
d	Repton (Greenshot)	Miss M. W. Bromley ...	5	0 11	230	...	23·22	...	...
D	Stanton-by-Bridge W.W.	H. Raven, Esq., C.E. ...	8	1 2	144	24·2	23·59	175	125
	4.—TRENT. Dove. 156 sq. mi.								
D	Rodsley Pumping Station	Engineer	5	1 0	415	...	27·53	167	126
	5.—TRENT. Left Bank Tributaries. 84 sq. mi.								
D	Etwall (Blakeley Lodge)	C. H. Hawley, Esq. ...	5	1 4	189	24·1	22·12	146	111
D	Etwall (Sewage Farm)	Bor. Engineer & Surveyor	5	1 8	201	25·2	23·05	160	111
D	Mickleover (County Mental Hospital)	Medical Superintendent ...	5	0 9	320	24·4	21·71	150	122
D	Chesterfield (Whaley Well)	A. Boothman, Esq., C.E. ...	8	... ...	...	...	23·70	184	120
	6.—TRENT. Derwent. 426 sq. mi.								
D	Spondon (Derby Sewage Works) ...	Borough Engineer, Derby	5	1 3	135	25·5	21·28	155	115
D	Derby (Park Grove)	Messrs J. Davis & Son, Ltd.	5	1 0	198	...	25·68	151	122
d	Derby (Railway)	British Railways	5	1 0	156	25·1	23·91	...	...
D	Derby (Royal Infirmary)	A. Taylor, Esq.	5	1 0	211	26·3	24·72	161	127
D	Derby (The Arboretum)	Borough Engineer	5	1 0	196	26·2	24·90	157	118
	Derby (Pear Tree School)	J. C. Hill,Esq.	5	0 11	200	...	23·55	...	...
d	Derby (Markeaton Park)	Borough Engineer	5	1 6	190	...	23·43	154	124
D	Breadsall (Smalley Road)	C. H. D. Ham, Esq. ...	5	1 0	280	...	22·20	152	115
D	Breadsall Priory	E. S. Haslam, Esq. ...	5	1 6	370	...	23·50	137	116
D	Duffield (The Kirkstyles)	Messrs J. Davis & Son, Ltd.	5	1 0	235	28·3	26·55	171	134
D	Belper (Herbert Strutt School) ...	Headmaster	5	1 0	203	29·9	24·38	167	122
	Ambergate Reservoir ... No. 61	Derwent Valley Water Bd.	5	1 0	680	...	(27·11)	...	...
D	WIRKSWORTH (Cromford Road) ...	Alan D. G. Smith, Esq. ...	5	1 0	590	...	33·53	175	140
D	Whatstandwell (Meerbrook Sough) ...	Messrs G. & F. W. Hodson	5	1 0	246	33·6	29·23	168	133
D	Brackenfield (Lindway Res.)	F. P. Walters, Esq. ...	5	1 6	595	31·9	27·07	151	130
M	Higham (Higham Cliffe)	G. R. Jackson, Esq. ...	5	0 7	500	...	24·65	...	...
D	Bakewell (Ashford Road)	Miss P. M. Rhodes... ...	5	0 10	500	33·1	30·36	214	133
D	Clay Cross (Press Reservoirs) ...	D. S. Cuthill, Esq.	8	1 0	810	31·7	27·71	166	131
M	Buxton (Hurdlow Top)	British Railways	8	1 10	1267	...	43·78	...	...
D	Chatsworth Gardens	Head Gardener	5	1 0	436	34·7	33·45	188	143
D	Baslow (School Lane)	Mr. D. Lewis	5	1 6	425	34·5	32·63	182	149
D	Buxton (Stanley Moor)	Borough Engineer	8	1 0	1340	52·1	42·72	225	173
D	Buxton (Burbage Edge)	Borough Engineer	8	1 0	1400	52·8	43·96	224	170
D	Buxton (Ashwood Dale S.W). ...	A. Thomas, Esq.	5	3 0	1010	...	42·02	213	162
D	BUXTON (Terrace Slopes)	Town Clerk	8	1 0	1007	48·4	40·60	210	160
D	Bamford (Engineer's Office) No. 60	Derwent Valley Water Bd. ...	8	1 0	509	37·8	37·54	206	150
D	Bamford Filters ... No. 70A	Derwent Valley Water Bd. ...	8	1 0	660	39·1	39·06	201	152

§ Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	DERBYSHIRE—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	6.—TRENT. Derwent—(*contd.*)								
D	Holmesfield (Barbrook Res.)	D. S. Cuthill, Esq.	8	1 0	1080	35·6	32·91	215	152
M	Holmesfield (White Edge)	Sheffield Corporation W.W.	5	1 0	1209	...	34·30	...	...
d	Burbage (Lower Burbage) (+A)	Sheffield Corporation W.W.	8	1 0	924	36·2	33·66	...	...
D	Hope (Cement Works)	Messrs. G. & T. Earle Ltd.	5	1 0	580	...	37·97	189	149
D	Hope (Killhill Bridge)	No. 56 Derwent Valley Water Bd.	5	0 9	565	40·4	39·92	204	156
M	Mam Nick	No. 98 Derwent Valley Water Bd.	5	1 0	1368	...	(43·73)	...	...
M	Dalehead	No. 97 Derwent Valley Water Bd.	5	1 0	1030	...	46·44	...	...
M	Stanage (Redmires)	Sheffield Corporation W.W.	5	1 0	1395	41·7	44·23	...	...
d	Bamford (Yorkshire Br. Weir)	No. 59B Derwent Valley Water Bd.	5	1 0	560	36·7	39·59	...	...
M	Grain Clough	No. 96A Derwent Valley Water Bd.	5	1 0	999	...	44·92	...	...
d	Edale Mill	No. 84 Derwent Valley Water Bd.	5	1 0	725	...	46·39	...	...
M	Upper Booth	No. 85 Derwent Valley Water Bd.	5	1 0	950	...	43·34	...	...
M	Jacob's Ladder	No. 96 Derwent Valley Water Bd.	5	1 0	1115	...	49·20	...	...
M	Edale End	No. 83 Derwent Valley Water Bd.	5	1 0	632	...	43·90	...	...
M	Grindslow	No. 94 Derwent Valley Water Bd.	5	1 0	940	...	48·99	...	...
M	Crook Hill	No. 92 Derwent Valley Water Bd.	5	1 0	1100	...	44·27	...	...
M	Ladybower	No. 73 Derwent Valley Water Bd.	5	1 0	985	...	45·53	...	...
W	Grimbocar	No. 90 Derwent Valley Water Bd.	5	1 0	700	...	47·19	...	...
M	Nether Moor	No. 93 Derwent Valley Water Bd.	5	1 0	1460	...	51·05	...	...
M	Hagg Farm	No. 81 Derwent Valley Water Bd.	8	1 0	700	...	47·60	...	...
M	§Blackden Brook	No. 89 Derwent Valley Water Bd.	5	1 0	1070	...	54·20	...	...
D	R. Ashop (Weir)	No. 80A Derwent Valley Water Bd.	5	1 0	795	...	51·50	214	179
D	Fairholmes (Nursery)	No. 26A Derwent Valley Water Bd.	5	1 0	685	42·8	47·70	203	159
M	Nether Seal Clough	No. 79B Derwent Valley Water Bd.	5	1 0	1320	...	52·88	...	...
M	§Nether Red Clough	No. 78 Derwent Valley Water Bd.	5	1 0	1370	...	48·27	...	...
W	Mill Brook	No. 91 Derwent Valley Water Bd.	5	1 0	770	...	46·38	...	...
M	§Ashop Head	No. 43A Derwent Valley Water Bd.	5	1 0	1670	...	47·08	...	...
M	Ouzleden Clough	No. 75 Derwent Valley Water Bd.	5	1 0	885	...	47·56	...	...
M	§Urchin Clough	No. 88 Derwent Valley Water Bd.	5	1 0	1190	...	46·75	...	...
M	Alport Moor (Alport Castles)	No. 82 Derwent Valley Water Bd.	5	1 0	975	...	48·75	...	...
W	Derwent Dale (Birchinlee)	No. 23 Derwent Valley Water Bd.	8	1 0	890	50·3	47·18	...	...
M	§Lady Clough Moor	No. 41B Derwent Valley Water Bd.	5	1 0	1720	...	49·69	...	...
D	Derwent Dale (Howden Dam)	No. 17 Derwent Valley Water Bd.	8	1 0	845	47·7	46·26	228	159
W	§Derwent Dale (Ridge Farm)	No. 13A Derwent Valley Water Bd.	5	1 0	883	52·4	50·11	...	...
M	Westend Moor (Blacklow Cote)	No. 15 Derwent Valley Water Bd.	5	1 0	970	51·3	49·24	...	...
M	§Alport Moor	No. 38B Derwent Valley Water Bd.	5	1 0	1790	...	54·66	...	...
M	Deep Grain	No. 74 Derwent Valley Water Bd.	5	1 0	1360	...	53·37	...	...
W	Derwent Dale (Slippery Stones)	No. 62 Derwent Valley Water Bd.	5	1 0	908	49·4	49·37	...	...
M	Ronksley Moor	No. 86 Derwent Valley Water Bd.	5	1 0	1660	...	55·81	...	...
M	Broadhead Clough	No. 63 Derwent Valley Water Bd.	5	1 0	1010	52·8	52·74	...	...
M	Barrow Clough	No. 71 Derwent Valley Water Bd.	5	1 0	1330	...	54·47	...	...
	7.—TRENT. Erewash. 50 sq. mi.								
D	Breaston (Doveridge)	Frank Cresswell, Esq.	5	1 0	115	...	19·14	143	103
D	Long Eaton (Town Hall)	H. Raven, Esq., C.E.	8	0 10	105	23·4	20·76	154	117
d	Ilkeston (New Stanton)	Stanton Ironworks Co., Ltd.	5	1 0	150	25·2	21·37	...	...
D	Ilkeston (Sewage Works)	Borough Surveyor	5	1 0	132	...	21·27	153	119
D	Codnor Park	British Railways	5	1 0	243	...	27·91	222	148
	8.—OUSE. Don. 138 sq. mi.								
M	Chesterfield (Hunger Hill)	A. Boothman, Esq., C.E.	5	1 0	643	33·6	31·89	...	...
D	Chesterfield (Whispering Well)	A. Boothman, Esq., C.E.	5	1 0	575	32·5	31·88	176	138
D	Chesterfield (Linacre Res.)	A. Boothman, Esq., C.E.	5	1 0	475	31·6	32·46	186	151

§ Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	DERBYSHIRE—(*contd.*).		*in.*	*ft. ins.*	*ft.*	*in.*	*in.*		
	8.—OUSE. Don—(*contd.*).								
D	Chesterfield (Sewage Works)	Manager	5	1 0	225	24·9	26·63	158	126
D	Chesterfield (Crowhole Res.)	D. S. Cuthill, Esq.	5	1 0	605	31·1	27·97	158	131
D	Horsely Gate	Miss E. Wilson	5	1 0	650	...	32·13	169	145
D	Spinkhill (Mt. St. Mary's College)	Rev. C. Baillon, S.J.	5	1 0	340	...	25·67	160	118

DIVISION VIII—NORTH-WESTERN COUNTIES

CHESHIRE. (Area, 1,014 sq. mi.)

	1.—MERSEY. UPPER. 187 sq. mi.								
D	Langley (Twelve Ashes)	J. H. Dossett, Esq.	6	0 9	903	...	37·00	191	160
D	Langley (Trentabank Res.) (+A)	J. H. Dossett, Esq.	6	0 9	854	...	35·67	191	154
D	Langley (Bottoms Res.)	J. H. Dossett, Esq.	6	0 9	659	38·5	32·55	187	150
D	Macclesfield (Leadbeaters Res.)	J. H. Dossett, Esq.	5	1 0	608	...	28·92	184	140
D	MACCLESFIELD (West Park)	J. H. Dossett, Esq.	5	1 0	500	34·1	28·62	191	137
d	Macclesfield (Whirley)	W. H. Lomas, Esq.	5	1 1	495	...	(25·75)	...	...
D	Rainow (The Clough)	Miss Anna Neave	5	1 3	815	34·4	28·16	191	136
D	Prestbury (Sewage Works) (+A)	F. T. Hambleton, Esq.*	5	1 0	320	...	25·96	175	126
	Knutsford (The Sycamores)	H. P. Ashworth, Esq.	5	1 0	213	30·3	26·26	...	...
D	Adlington (Styperson House) (+A)	E. Morton, Esq.**	5	1 0	500	...	27·66	181	131
D	Disley (Lyme Park) (A)	Stockport Corporation W.W.	5	1 0	674	...	28·96	186	130
D	Disley (Lyme Park) (B)	Stockport Corporation W.W.	5	1 0	720	...	27·56	187	128
D	Disley (Higher Stoneridge)	Stockport Corporation W.W.	5	1 0	750	...	29·98	187	135
D	Runcorn (Weston Point)	Weaver Navigation Trustees	8	1 3	30	31·3	27·05	180	144
D	Appleton Reservoir (+A)	Warrington W.W.	5	1 0	120	...	26·58	189	138
D	Moore (Uplands)	Lt.-Com. G. K. Rylands, R.N.	5	1 0	120	...	24·65	182	140
D	MANCHESTER (RINGWAY) (+A)	Meteorological Office	5	1 0	235	...	24·76	175	131
	High Lane (Light Alders Farm)	R. B. Melland, Esq.	5	1 3	675	...	29·17	200	133
D	Altrincham (Norman's Place)	Miss G. A. Griffiths	5	1 0	150	...	26·22	182	127
D	Dunham Massey (Sewage Works) (+A)	Bucklow R.D.C.*	5	1 0	55	...	25·27	175	125
D	Stockport (Isolation Hospital)	Medical Officer of Health	5	1 3	285	...	25·88	169	133
D	Timperley (Bloomsbury Lane)	P. Newton, Esq.	5	1 0	98	...	26·17	169	131
D	Stockport (Bredbury Sewage Works)	Bredbury & Romily U.D.C.	5	1 0	150	...	27·60	155	121
D	Sale (Carrington Lane) (+A)	Mersey & Irwell Catcht. Bd.	5	1 0	72	...	25·42	179	136
D	Sale (Sewage Works)	Manager	5	0 10	70	...	26·11	159	132
D	Romiley (Greave)	F. Edwards, Esq.	5	1 0	510	...	32·50	196	148
	Godley Reservoir	Manchester Corpn. W.W.	5	1 0	488	34·8	33·69	211	148
D	Dukinfield (Higher Reservoir)	M. T. B. Whitson, Esq., C.E.	5	1 0	435	...	31·03	173	133
	Arnfield Reservoir (+A)	Manchester Corpn. W.W.	5	1 0	512	39·1	34·77	204	138
	Rhodes Wood Reservoir	Manchester Corpn. W.W.	5	1 0	545	42·7	39·03	207	154
	§Hollingworth Hall Moor No. 23	Manchester Corpn. W.W.	5	1 0	1194	...	37·10	...	...
	Torside Reservoir	Manchester Corpn. W.W.	5	1 0	669	...	40·34	223	154
D	Stalybridge (Market Ground Yd.)	M. T. B. Whitson, Esq., C.E.	5	1 0	373	...	34·14	193	155
D	Stalybridge (Brushes Filter House)	M. T. B. Whitson, Esq., C.E.	8	1 6	615	39·2	37·77	198	153
W	Higher Swineshaw	M. T. B. Whitson, Esq., C.E.	5	1 0	965	...	38·91	...	...
D	Woodhead Reservoir	Manchester Corpn. W.W.	5	1 0	665	48·3	41·04	206	150
	§Arnfield Moor	Manchester Corpn. W.W.	5	1 0	1290	...	45·21	...	...
	§Crowden (Span Gutter)	Manchester Corpn. W.W.	5	1 0	1530	...	43·32	...	...
	§Pikenaze Moor (Audernshaw Clough)	Manchester Corpn. W.W.	5	1 0	1148	...	53·68	...	...
	§Woodhead (Pikenaze)	Manchester Corpn. W.W.	5	1 0	926	...	46·07	...	...
	§Swineshaw Moor (Boar Flat) No. 11	Manchester Corpn. W.W.	5	1 0	1190	48·6	44·75	...	...
	§Westend Moor (Stonefold)	Manchester Corpn. W.W.	5	1 0	1691	...	53·35	...	...
	§Withens Moor (West Withens) No. 19	Manchester Corpn. W.W.	5	1 0	1382	...	57·21	...	...
	§Crowden (Meadow Clough)	Manchester Corpn. W.W.	5	1 0	1425	...	57·16	...	...

§ Turf wall round gauge. * *Per* Cheshire Rivers Catchment Bd. ** *Per* R. Mersey & Irwell Catchment Board.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	CHESHIRE—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	1.—MERSEY. UPPER.—(*contd.*).								
	§Long Ridge Moss (Near Broadslate)	Manchester Corpn. W.W.	5	1 0	1663	...	53·44	...	...
	§Longside Moss ... ...No. 26	Manchester Corpn. W.W.	5	1 0	1418	59·8	56·26	...	...
	§Upper Heyden	Manchester Corpn. W.W.	5	1 0	1708	60·5	59·22	...	...
	§Grains Moss	Manchester Corpn. W.W.	5	1 0	1573	...	50·35	...	...
	2.—MERSEY. Weaver. 489 sq. mi.								
D	Audlem (Newholme)	C. Coffin, Esq.*	5	1 0	220	...	27·71	195	137
d	Wirswall Hall	Mrs. Illingworth	5	1 2	505	27·7	(23·58)	(152)	(124)
D	Wybunbury (The Cliffe)	R. H. G. Tatton, Esq. ...	5	1 3	150	...	23·50	191	121
D	Cholmondeley School ... ... (+A)	A. H. Munro, Esq.* ...	5	1 0	300	...	26·12	180	129
D	Nantwich (Baddiley W.W.)	Mid & S.E. Cheshire W. Bd.	5	1 0	231	28·3	26·07	176	129
D	Nantwich (Beam Bridge)	Nantwich U.D.C.	5	1 0	115	...	25·49	160	121
d	Cholmondeley (Higginsfield)	H. B. Vernon, Esq. ...	5	1 0	332	...	26·36	193	143
D	Nantwich (Dorfold Hall)	Weaver Navigation Trustees	8	1 0	190	28·8	25·08	182	123
D	Nantwich (Reaseheath Hall)	Weaver Navigation Trustees	8	1 0	130	29·1	24·27	178	122
D	Crewe (Sewage Works)	L. Reeves, Esq., C.E. ...	5	1 0	125	...	23·44	173	124
D	Crewe (Isolation Hospital)	Mid & S.E. Cheshire W. Bd.	5	1 4	181	28·2	22·67	215	137
d	Tarporley (Tilstone Lodge)	Head Gardener	5	1 0	220	28·3	25·92	174	133
D	Eaton (Pumping Station)	Mid & S.E. Cheshire W. Bd.	5	1 0	280	...	28·33	196	140
D	§Congleton (Sewage Works) ... (+A)	Borough Surveyor	5	1 0	248	30·1	26·49	185	139
D	Congleton (Buglawton Hall)	Weaver Navigation Trustees	8	1 0	450	...	29·18	164	139
d	Bosley Reservoir	Cheshire Rivers Catch. Bd.	5	1 0	500	...	27·49	(140)	(127)
d	Middlewich	I.C.I. (Alkali) Ltd.	5	1 0	138	...	23·06	174	134
d	Tarporley (Sandyford Waterworks) ...	Mid. & S.E. Cheshire W. Bd.	8	... ...	247	...	27·50	...	...
D	Middlewich (Bostock Hall)	Mrs. R. J. Carnegie ...	5	1 0	157	30·3	26·16	154	131
D	Cranage (Mental Institution)	Clerk and Steward* ...	5	1 0	170	29·2	26·01	203	150
D	Delamere (Linmere)	Forestry Commission ...	8	0 9	250	31·7	26·60	178	136
D	Cuddington (Merle Wood)	His Honour Judge Burgis ...	5	1 0	200	...	27·06	142	121
D	Hartford (Holly Bank)	Giles Owen, Esq.	5	1 0	160	29·5	24·82	197	125
D	Northwich (Sandiway W.W.)	Mid & S.E. Cheshire W. Bd.	8	1 0	163	32·0	24·83	194	126
D	Northwich (Hunts Lock)	Weaver Navigation Trustees	8	1 5	47	30·0	24·73	187	133
D	Northwich (Winnington)	I.C.I. (Alkali) Ltd. ...	5	1 0	64	29·2	23·12	179	126
d	Chelford (Kennel Bank)	A. M. Haworth, Esq. ...	5	1 0	263	...	24·36	...	...
D	Chelford (Snelson House)	R. C. Walsh, Esq.	5	1 0	250	....	23·79	166	125
D	Northwich (Lostock Gralam) ...	I.C.I. (Alkali) Ltd.	5	1 0	75	...	23·59	183	131
D	Northwich (Marbury Road)	Charles Cooper, Esq. ...	5	1 0	96	...	23·74	202	138
	3.—MERSEY. LOWER & C. 142 sq. mi.								
D	Mouldsworth (Pumping Station) ...	West Cheshire Water Board	5	1 0	145	...	24·03	180	130
D	Marley (Ravelstone)	A. Haworth, Esq., B.A., J.P.	5	1 0	360	...	29·44	182	143
D	Foxhill (Pumping Station)	Warrington W.W.	5	1 0	155	...	26·20	177	135
D	Hooton W.W.	West Cheshire Water Bd. ...	5	1 0	97	30·3	27·03	178	138
D	Crosshill Reservoir, *old g.*	E. C. Hutson, Esq., C.E. ...	5	1 0	237	...	28·37	175	139
D	Crosshill Reservoir, *new g.*	E. G. Hutson, Esq., C.E. ...	5	1 0	212	...	29·26	177	143
D	Heswall (Irby)	K. H. Toogood, Esq. ...	5	1 0	244	...	28·19	174	144
D	Bebington (Regents Way)	L. J. Walls, Esq.	5	1 0	194	...	31·86	180	143
D	Prenton Waterworks	West Cheshire Water Board	5	1 3	91	28·1	30·68	174	141
D	Birkenhead (Bidston Obs'y.) ... (+A)	Director	8	1 0	198	27·9	29·06	177	129
D	Hoylake (Recreation Ground) ...	Surveyor	5	1 0	23	28·1	29·37	185	138
	4.—DEE. 127 sq. mi.								
D	Eaton Hall Gardens	Mr. G. Miller	5	1 6	62	26·9	28·78	174	137
d	Rowton (Holly Bank)	J. H. Salmon, Esq. ...	5	1 5	213	27·3	26·64	(156)	123
D	Chester (Sewage Disposal Wks.) ...	C. Greenwood, Esq., C.E.	5	0 6	16	26·1	(25·77)	(173)	(115)
D	Chester (Waterworks)	Engineer	5	0 10	85	26·4	25·68	177	119

§ Turf wall round gauge. * *Per* Cheshire Rivers Catchment Board.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	CHESHIRE—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—DEE—(*contd.*).								
	Burton	R. A. L. Billson, Esq. ...	5	1 0	210	...	25·91	...	...
	West Kirby (Hilbre House)	Egerton Macdona, Esq. ...	5	0 9	25	27·8	28·92	...	...
D	West Kirby (Monk's Way)	Miss G. S. Kirkby	5	1 0	113	28·9	30·00	172	138
D	WEST KIRBY (St. Andrew's Vicarage)	Rev. Canon E. F. Robson...	5	1 0	25	27·9	31·49	203	135
	SOUTH LANCASHIRE. (Area, 700 sq. mi.)								
	1.—ALT & C. 103 sq. mi.								
	Liverpool (Mayfield Close)	Rev. C. Decker, F.R.Met.S.	5	2 0	95	...	30·08	...	...
D	Prescot (Knowsley Hall)	Mr. W. J. Earl	5	1 0	178	...	32·15	200	150
d	Kirby (Estate Works)	F. East, Esq.*	5	1 0	48	...	30·47	187	146
D	Crosby (Merchant Taylors' School) ...	H. Tunley, Esq.	5	0 8	20	...	27·31	182	131
D	Formby (Ince Blundell)	Lancashire County Council†	5	1 0	36	...	32·65	225	152
d	Ormskirk (Bickerstaffe P. Stn.) ...	N. B. Bennett, Esq., C.E. ...	5	0 8	128	33·2	29·62	178	142
d	Ormskirk (Springfield P. Stn.) ...	N. B. Bennett, Esq., C.E. ...	5	0 11	69	33·1	28·44	169	141
d	Formby (Hightown)	Lancashire County Council†	5	1 0	25	...	30·43	223	145
	2.—MERSEY. LOWER. 244 sq. mi.								
D	Garston (Speke Airport) ... (+A)	Meteorological Office ...	5	1 0	81	...	27·94	183	148
D	Garston Depôt	Liverpool Corporation ...	5	1 0	81	30·7	30·20	196	154
d	Halewood (Sewage Works)	Manager	5	1 2	50	...	29·38	200	157
D	Garston (Grassendale Park)	A. G. Isaacson, Esq. ...	5	1 0	30	30·1	27·93	191	146
D	Widnes (Gas & Water Works) ...	C. E. Dickinson, Esq. ...	5	1 0	34	...	26·50	182	141
D	Liverpool (Lark Lane)	Liverpool Corporation ...	5	9 1	90	...	30·39	197	160
D	Liverpool (Smithdown Road) ...	Liverpool Corporation ...	5	1 0	135	31·7	29·84	199	146
d	Cronton (Pex Hill, Old Res.)	C. E. Dickinson, Esq. ...	5	1 0	228	...	29·99	192	146
D	Liverpool (Monument Place) (+A)	Liverpool Corporation ...	5	1 3	124	...	30·75	196	142
D	Liverpool (Rathbone Road)	Liverpool Corporation ...	5	1 0	198	34·3	30·86	181	148
D	Liverpool (Breckside Park)	Liverpool Corporation ...	5	0 9	132	33·2	28·97	194	141
D	Liverpool (Queens Drive)	Liverpool Corporation ...	5	1 0	119	33·3	31·30	184	146
D	Warrington (Howley Yard)	Borough Surveyor	8	5 1	26	...	26·62	177	133
D	Winwick Pumping Stn.	Warrington W.W.	5	1 0	115	...	27·65	181	140
	Prescot	Lt.-Col. F. Hibbert, C.E. ...	5	1 0	282	...	30·19	...	...
D	St. Helens (Eccleston Hill)	M. Ward, Esq., C.E. ...	12	1 0	265	33·6	27·54	189	136
D	St. Helens (Victoria Park)	Dr. F. Hauxwell	8	1 5	160	33·9	27·23	181	137
D	Earlstown (Newton Cemetery) ...	T. Gibbs, Esq.	5	1 0	83	33·6	27·82	146	120
d	Lowton (Newton Road)	G. H. Coe, Esq.	5	2 0	121	...	27·95	...	...
D	St. Helens (Windle Hall)	W. H. Pilkington, Esq. ...	5	1 0	160	...	28·20	175	135
d	Litherland (Hatton Hill Pk.)	G. W. Ponsford, Esq., C.E.	5	1 0	59	...	28·97	...	...
D	Leigh (Sewage Works)	T. N. Cockroft, Esq., B.Sc.	5	1 0	67	32·6	29·03	162	136
D	Golborne (Wigan Road)	A. G. Flower, Esq. ...	8	0 6	145	...	32·83	175	148
d	Rainford (Rookery Sewage Wks.) ...	Surveyor*	5	1 0	107	...	29·31	174	142
D	Hindley (Platt Bridge Sewage Wks.) ...	Surveyor	8	0 10	91	...	30·67	187	139
	3.—MERSEY. Irwell. 299 sq. mi.								
D	Stretford (Longford Park)	Stretford U.D.C.	8	1 1	85	...	29·05	173	134
d	Manchester (Hullard Park)	Stretford U.D.C.	8	1 1	100	32·4	27·64	...	118
D	Manchester (Old Trafford)	Stretford U.D.C.	8	1 1	107	...	28·18	173	135
D	Urmston (Sew. Wks. Davyhulme) ...	Manchester Cor. Rivers Dpt.	8	1 0	72	30·9	26·78	171	132
D	Salford (Weaste Sewage Wks.) ...	City Engineer	8	2 9	80	...	26·45	178	134
D	MANCHESTER (WHITWORTH PARK) ...	Manchester University ...	8	1 0	125	31·7	26·49	173	128
D	Ashton-u-Lyne (Knott Hill Res.) ...	M. T. B. Whitson, Esq., C.E.	8	1 0	605	...	37·57	233	163
D	Prestwich Sewage Works	The Manager	8	0 10	150	36·6	32·77	171	146

* *Per* Lancs C.C. Land Drainage Engineer. † *Per* Land Drainage Engineer.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	SOUTH LANCASHIRE—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	3.—MERSEY. Irwell—(*contd.*).								
	Prestwich Reservoir	Manchester Corpn. W.W.	5	1 0	357	...	33·92	192	145
D	Prestwich (Heaton Park)	City Engineer, Manchester	8	1 0	312	36·8	32·92	185	147
	Prestwich (Heaton Park Res.)... ...	Manchester Corpn. W.W.	5	1 0	355	37·1	32·46	203	144
D	Oldham Gas Works	C. Busfield, Esq.	5	5 9	602	39·0	37·70	196	147
d	Bolton (Hacken Sewage Wks.) ...	The Manager	5	1 0	182	...	32·61	169	138
D	Oldham (Brushes Clough) No. 3 ...	C. Busfield, Esq.	5	1 0	921	46·7	45·19	209	168
D	Royton (Public Park)	Park Superintendent ...	5	1 0	502	...	36·89	186	157
D	BOLTON (Queen's Park) ... (+A)	Corpn. (E. Hendy, Esq.) ...	5	1 0	342	43·1	38·04	206	161
d	Bolton (L.M.S.R.) ... ... No. 1	British Railways	5	1 0	299	...	35·94	...	...
D	Bolton (Heaton Reservoir)	Bolton Corporation W.W.	5	1 0	500	43·5	37·25	219	155
	Bolton W.W. (Harpers Farm) ...	Bolton Corporation W.W.	5	1 0	872	...	37·06	...	...
D	Bolton (Smithhills Hall)	Corporation	5	1 0	510	46·1	38·96	180	151
D	Bury (L.M.S.R.) ... ... No. 5	British Railways	5	1 0	294	...	34·82	220	155
D	Bury (Greenhill Road)	R. Moore, Esq.	5	2 7	399	...	36·69	177	153
D	Bury (Bridge Hall)	Miss C. Wrigley	8	1 0	270	42·2	33·70	187	147
D	Newhey (Sewage Works)	Mr. J. B. Ogden	8	1 0	513	41·6	40·93	187	159
D	Milnrow (Butterworth Hall)	C. Busfield, Esq.	5	1 0	512	43·8	41·44	199	155
D	Milnrow (Piethorne, Kitcliffe) ...	C. Busfield, Esq.	5	1 0	766	...	47·59	213	168
D	Milnrow (Piethorne, Cold Greave) ...	C. Busfield, Esq.	5	1 0	832	46·3	46·57	213	166
D	Rochdale (Roch Mills Sew. Wks.) ...	S. H. Morgan, Esq., C.E. ...	5	1 0	363	44·5	38·04	188	145
D	Rochdale (Lord Street)	Rochdale Corpn.	5	4 6	407	...	39·92	197	157
D	Rochdale (Fieldhead Yard)	S. H. Morgan, Esq., C.E. ...	8	1 0	473	44·8	38·35	193	150
D	Rochdale (Ashworth Moor Res.) ...	Heywood Water Board ...	5	1 2	956	...	37·92	187	149
D	Bury (Gin Hall)... ... ... No. 1	Irwell Valley Water Bd. ...	5	1 0	475	43·7	39·61	202	154
D	Bury (Gin Hall)... ... ... No. 2	Irwell Valley Water Bd. ...	5	1 0	475	44·5	38·80	205	155
D	Bolton W.W. (Springs) ... No. 2	Bolton Corporation W.W.	5	1 0	810	54·5	47·11	221	159
	Bolton W.W. (Eagley) ... ... No. 4	Bolton Corporation W.W.	5	1 0	546	52·3	46·49	...	...
D	Turton (Turton Tower)	Turton U.D.C.	5	1 0	584	...	43·22	204	159
M	Bolton W.W. (Hordern)	Bolton Corporation W.W....	5	1 0	1160	53·6	49·59	...	...
D	Bolton W.W. (Delph)	Bolton Corporation W.W....	5	1 0	710	53·6	47·62	211	169
M	Bolton W.W. (Longworth)	Bolton Corporation W.W....	5	1 0	770	52·4	45·82	...	...
D	Bolton W.W. (Wayoh) ... No. 3	Bolton Corporation W.W....	5	1 0	608	51·6	44·38	209	153
	§Bolton W.W. (Holden's Farm) ...	Bolton Corporation W.W....	5	1 0	955	53·0	45·89	...	...
	Bolton W.W. (Top-o'-th'-Brow) ...	Bolton Corporation W.W....	5	1 0	935	56·5	49·03	...	...
D	Bolton W.W. (Entwistle)	Bolton Corporation W.W....	5	1 0	692	53·8	45·79	208	162
	Bolton W.W. (Bromiley Heys) ...	Bolton Corporation W.W....	5	1 0	925	51·5	48·15	...	...
	§Bolton W.W. (Moorside)	Bolton Corporation W.W....	5	1 0	850	50·2	43·99	...	...
	Bolton W.W. (Clough)	Bolton Corporation W.W....	5	1 0	1150	55·4	48·22	...	...
	Bolton W.W. (Cranberry Moss) ...	Bolton Corporation W.W....	5	1 0	982	53·7	45·34	...	...
	Bolton W.W. (Slater Lane)	Bolton Corporation W.W....	5	1 0	985	51·8	48·52	...	...
	Bolton W.W. (Brown Lowe)	Bolton Corporation W.W....	5	1 0	1200	53·8	46·05	...	...
	Bolton W.W. (Longshoot)	Bolton Corporation W.W....	5	1 0	930	...	47·42	...	...
	Bolton W.W. (Uglow) ... ... No. 2	Bolton Corporation W.W....	5	1 0	1090	51·1	44·89	...	...
D	Rochdale (Hamer Pasture Res.) ...	Rochdale Corporation W.W.	5	1 0	760	48·6	43·38	199	166
D	Rochdale (Naden Filters)	Heywood Water Board ...	5	1 0	761	...	40·61	187	153
W	Norden (Far Knowl Farm)	Heywood Water Board ...	8	1 3	1000	47·2	44·27	...	...
D	Littleborough (Longden End) ...	C. Busfield, Esq.	5	1 0	751	47·4	45·91	211	169
D	Littleborough (Hollingworth Lake) ...	C. Busfield, Esq.	8	1 0	610	40·6	37·66	191	154
D	Littleborough (Broadhead)	C. Busfield, Esq.	8	1 0	1337	...	41·76	210	165
D	Littleborough (Blackstone Edge) ...	C. Busfield, Esq.	8	1 0	1268	45.0	44·53	210	168
D	Littleborough (Upper Chelburn) ...	C. Busfield, Esq.	8	1 0	725	47·5	44·64	205	170
D	Littleborough (Chelburn)	C. Busfield, Esq.	8	1 0	700	...	42·37	205	166
	Ramsbottom (Killgate Brook) ...	Heywood Water Board ...	5	1 0	978	...	41·50	...	...
	Ramsbottom (Cheesden Barn) ...	Heywood-Water Board ...	5	1 0	997	...	40·40	...	...
D	Edenfield (New Hall Nurseries) ...	Irwell Valley Water Bd. ...	5	1 0	800	...	39·89	202	151

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	SOUTH LANCASHIRE—(*contd.*).			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—MERSEY. Irwell.—(*contd.*).									
D	Edenfield (Scout Moor Res.) ...	No. 2	Irwell Valley Water Board	5	1 0	1275	...	51·08	216	168
D	Waterfoot (Cragg Reservoir) ...	...	Bacup Borough Council ...	5	1 0	1325	...	51·42	222	177
D	Waterfoot (Cowpe Reservoir) ...		Bacup Borough Council ...	5	1 0	925	...	51·81	222	178
d	Rochdale (Spring Mill Whitworth) ...		Rochdale Corporation ...	5	1 0	720	51·5	50·19	...	...
D	Wardle (Watergrove Mill) ...	...	Rochdale Corporation ...	8	2 6	819	...	47·12	220	176
D	Rochdale (Cowm, Whitworth) ...		Rochdale Corporation ...	5	1 0	762	51·5	52·91	199	178
D	Helmshore (Musberry Valley)...	...	Irwell Valley Water Bd. ...	5	1 0	750	...	48·48	200	165
D	Haslingden (Holden Wood) ...	No. 1	Irwell Valley Water Bd. ...	5	1 0	670	52·1	51·96	199	174
D	Haslingden (Holden Wood) ...	No. 2	Irwell Valley Water Bd. ...	5	1 0	670	51·4	50·91	199	176
D	Haslingden (Calf Hey) ...	No. 1	Irwell Valley Water Bd. ...	5	1 0	800	50·9	51·58	200	175
D	Haslingden (Ogden)	No. 1	Irwell Valley Water Bd. ...	5	1 0	740	...	47·65	199	171
D	Haslingden (Ogden)	No. 2	Irwell Valley Water Bd. ...	5	1 0	740	...	47·75	200	170
D	Bacup (L.M.S.R.)	No. 4	British Railways	5	1 0	875	47·1	45·76	182	163
d	Rawtenstall Cemetery		Bor. Engineer &Surveyor	8	1 1	572	46·3	44·41	...	...
D	Rawtenstall (Greenfold Res.)	No. 1	Irwell Valley Water Board	5	1 0	1000	...	45·51	190	167
D	Rawtenstall (Greenfold Res.)	No. 2	Irwell Valley Water Board	5	1 0	1025	...	45·56	190	165
D	Rawtenstall (Cloughbottom) ...	No. 1	Irwell Valley Water Board	5	1 0	1025	47·4	43·65	201	156
D	Rawtenstall (Clowbridge Res.)	No. 1	Irwell Valley Water Board	5	1 0	930	47·6	44·25	211	169
D	Rawtenstall (Clowbridge Res.)	No. 2	Irwell Valley Water Board	5	1 0	930	51·6	48·21	211	169
	4.—MERSEY. UPPER. 54 sq. mi.									
D	Northenden Sewage Wks.		Manchester Cor. Rivers Dpt.	8	1 0	81	...	25·10	166	127
D	Chorlton-cum-Hardy Sewage Works...		Manchester Cor. Rivers Dpt.	8	4 6	95	30·5	24·29	176	127
D	Stretford (Sewage Farm)		Stretford U.D.C.	8	1 1	65	...	26·67	186	137
D	Denton (Sewage Works)		Denton U.D.C.	5	1 0	205	...	28·41	162	128
D	Fallowfield (Platt Field Park) ...		City Engineer, Manchester	8	1 0	118	30·6	27·95	210	135
	Denton Reservoir		Manchester Corpn. W.W.	5	1 0	306	...	32·51	218	145
	Gorton Reservoir		Manchester Corpn. W.W.	5	1 0	263	...	31·75	211	151
D	Ashton-u-Lyne (Henrietta St. Yard) ...		M. T. B. Whitson, Esq., C.E.	5	1 0	394	37·2	33·65	177	143
D	Lower Swineshaw Reservoir		M. T. B. Whitson, Esq., C.E.	8	1 6	886	43·6	37·46	187	143
W	Swineshaw Moor		M. T. B. Whitson, Esq., C.E.	5	1 0	1340	...	40·52	...	...
D	Mossley (Manor House Yard) ...		M. T. B. Whitson, Esq., C.E.	5	1 0	636	41·5	35·14	190	149
	CENTRAL LANCASHIRE. (Area, 536 sq. mi.)									
	1.—RIBBLE & C. 326 sq. mi.									
M	Rivington (Tockholes)		Lt.-Col. F. Hibbert, C.E. ...	5	1 0	970	...	49·35	...	...
W	Roddlesworth		Lt.-Col. F. Hibbert, C.E. ...	5	1 0	725	...	43·92	...	...
D	Darwen (Sunnyhurst Hey Res.) ...		Borough Engineer	8	1 5	915	49·5	44·97	192	163
D	Darwen (Earnsdale Reservoir) ...		Borough Engineer	8	1 0	705	47·4	44·90	192	163
D	DARWEN (Bold Venture Park) ...		Medical Officer of Health ...	8	1 1	724	50·1	47·00	224	173
D	Darwen (Hoddlesden)	No. 1	G. McKay, Esq., C.E. ...	8	1 6	680	49·1	48·22	207	165
D	§Darwen (Daisy Green) ...	No. 1	G. McKay, Esq., C.E. ...	8	1 6	969	...	44·37	213	171
D	§Darwen (Pickup Bank) ...	No. 2	G. McKay, Esq., C.E. ...	8	1 6	727	...	46·20	205	163
D	Brindle (Whiteholme)...		Miss W. M. Gatty	5	1 8	315	39·3	33·77	158	137
D	Haslingden (Mitchell's House Res.) ...		A. J. Harrison, Esq. ...	5	1 6	950	45·0	42·24	206	162
D	Blackburn (Guide Reservoir)		G. McKay, Esq., C.E. ...	8	1 6	610	44·9	35·92	180	153
D	Blackburn (Witton)		G. McKay, Esq., C.E. ...	8	1 6	315	42·0	35·39	186	140
D	HUTTON (Lancs. C.C. Hort. Station)		Principal	5	1 0	82	35·2	32·56	170	149
D	St. Anne's-on-Sea (South Side) ...		Medical Officer of Health ...	5	1 0	25	31·4	31·74	171	139
D	Accrington (Oak Hill Park) ...	(+A)	Borough Engineer	5	1 0	645	...	40·32	197	153
D	Accrington (Coppy Clough S.W.)	(+A)	Borough Engineer	5	1 0	386	...	39·70	187	147
D	Preston (Moor Park)	(+A)	Preston Corporation ...	8	1 0	110	35·3	34·63	190	147
D	Samlesbury Sewage Works		G. McKay, Esq., C.E. ...	8	1 6	240	36·9	33·08	182	136
D	Blackpool (Squires Gate) ...	(+A)	Meteorological Office ...	5	1 0	33	...	32·70	179	132

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	CENTRAL LANCASHIRE—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	1.—RIBBLE & C.—(*contd.*).								
d	Blackburn (Queens Road)	J. Brennand, Esq.	5	1 1	515	...	38·70	...	...
W	Causeway Side (Burnley W.W.) ...	J. Shepherd, Esq., C.E. ...	5	1 0	1110	...	49·61	...	...
W	Sheddin (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	5	1 0	960	...	47·95	...	...
D	Cant Clough S. Side (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	5	1 0	903	...	48·82	208	186
D	Cant Clough N. Side (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	5	1 0	846	...	46·80	208	186
W	Rams Clough Head (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	5	1 0	1236	...	47·39	...	...
D	Huncoat (Burnley Road Res.) ...	A. J. Harrison, Esq. ...	5	1 0	624	43·0	36·62	176	140
D	Rishton (Sewage Works)	The Surveyor	5	1 0	270	...	36·29	156	141
D	Great Harwood (Kebb Farm) ...	A. J. Harrison, Esq. ...	5	1 0	670	...	42·19	219	156
D	BURNLEY (Queens Park)	Medical Officer of Health ...	8	1 0	458	...	40·31	205	141
D	Burnley (Swinden) *upper g.*	J. Shepherd, Esq., C.E. ...	5	1 0	811	43·6	46·92	203	157
D	Burnley (Swinden) *lower g.*	J. Shepherd, Esq., C.E. ...	5	1 0	745	44·3	45·45	203	154
W	Extwistle Moor Top (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	5	1 0	1308	...	48·06	...	...
d	Padiham (Altham Sewage Works) ...	Water Engineer, Padiham ...	5	1 6	225	40·9	35·49	...	140
D	Padiham (Huntroyde)	C. Russell Ingham, Esq. ...	5	1 0	423	41·1	39·69	175	139
D	Alston Reservoir	E. C. Oakes, Esq., C.E. ...	8	1 2	330	41·0	36·53	203	153
D	§Nelson (Coldwell Res.) ... No. 3	Nelson Corporation W.W.	5	1 0	1060	...	52·72	214	180
D	Nelson (Coldwell Res.) ... No. 2	Nelson Corporation W.W.	5	1 0	960	46·3	50·83	214	176
D	Whalley (Calderstones Institution) ...	C. R. Iken, Esq.*	5	1 0	198	...	36·87	187	135
D	Nelson (Victoria Park)	Nelson Corporation W.W.	5	1 0	375	41·8	40·15	190	145
D	NELSON (Walton Lane) ... (+A)	Medical Officer of Health ...	5	1 0	540	40·6	42·05	202	145
	Wycoller (Dean House)	F. R. Boothman, Esq., C.E.	5	1 0	957	...	46·59	...	...
D	Wycoller (Bank House)	F. R. Boothman, Esq., C.E.	5	1 0	872	...	46·70	191	163
D	Ribchester Institution	E. G. Heaver, Esq.* ...	5	1 0	279	...	39·31	193	160
D	STONYHURST (College)	Director	8	1 10	377	46·5	40·95	210	141
D	Cowley Brook (Preston W.W.) ...	E. C. Oakes, Esq., C.E. ...	8	1 2	616	...	41·68	189	157
D	Spade Mill (Preston W.W.)	E. C. Oakes, Esq., C.E. ...	8	1 2	374	41·7	37·36	193	145
	Jeffrey Hill (Preston W.W.)	E. C. Oakes, Esq., C.E. ...	8	1 2	900	47·3	40·96	...	...
D	Sabden (Churn Clough Res.)	Water Engineer, Padiham	5	1 0	790	41·2	42·84	181	157
	Sabden (Craggs Dole)	Water Engineer, Padiham	8	1 0	1050	46·0	42·66	...	...
	Newchurch (Cock Dole)	Water Engineer, Padiham	5	1 0	1090	47·0	45·16	...	...
D	§Barley (Ogden Reservoir) ...	Nelson Corporation W.W.	5	1 0	908	...	53·39	202	169
D	§Pendle Hill (Buttock)	Nelson Corporation W.W.	5	1 0	1175	49·9	55·87	201	174
D	Colne (Swinden Sewage Works) ...	Borough Engineer	5	1 0	423	42·0	40·52	196	155
	Colne (Cemetery)	Borough Engineer	5	1 0	525	...	38·59	...	...
	Barrowford Reservoir	Leeds & Liverpool Canal Co.	8	1 0	473	41·0	(46·57)	...	...
	§Nelson (Blackmoss Reservoir) ...	Nelson Corporation. W.W.	5	1 0	830	...	48·27	...	...
	Foulridge (Upper Reservoir)	Leeds & Liverpool Canal Co.	8	1 0	582	40·5	(45·08)	...	...
D	Chatburn School	E. P. Aldersley, Esq. ...	5	0 11	322	43·0	45·82	194	169
	Clitheroe (Downham Hall)	Sir R. C. Assheton, Bart. ...	5	1 6	464	...	44·11	...	...
	2.—RIBBLE. Douglas. 156 sq. mi.								
D	Wigan W.W. (Billinge Higher End) ...	Borough Engineer	5	1 0	374	...	30·79	185	141
d	Wigan (Gidlow Mod. Sec. School) ...	Headmistress	8	0 11	150	...	30·37	...	...
D	Wigan W.W. (Worthington)	Borough Engineer	5	1 0	225	35·4	30·77	188	141
D	Appley Bridge	Lancashire County Council*	5	1 0	375	...	32·45	177	145
D	Horwich (Lower Rivington)	Lt.-Col. F. Hibbert, C.E. ...	5	1 0	440	38·7	(35·01)	202	151
W	Horwich (Lower Knoll)	Lt.-Col. F. Hibbert, C.E. ...	5	1 6	742	41·2	40·51	...	...
W	Rivington (Hordern Stoops)	Lt.-Col. F. Hibbert, C.E. ...	5	1 0	1065	...	(43·80)	...	...
W	Rivington (Brown Hill)	Lt.-Col. F. Hibbert, C.E. ...	5	1 0	727	...	41·47	...	...
D	§Rivington (Stones House)	Lt.-Col. F. Hibbert, C.E. ...	5	1 0	607	...	40·22	213	155
w	‖Rivington (Hurst Hill)	Lt.-Col. F. Hibbert, C.E. ...	5	1 0	1029	...	44·73	...	...
w	‖Rivington (Great Hill)	Lt.-Col. F. Hibbert, C.E. ...	5	1 0	1240	...	49·32	...	...
w	‖Rivington (Coppice Stile)	Lt.-Col. F. Hibbert, C.E. ...	5	1 0	879	...	43·91	...	...
	Rivington (Pimms)	Lt.-Col. F. Hibbert, C.E. ...	5	1 0	987	...	50·42	...	...

§ Turf wall round gauge. * *Per* Lancs. C.C. Land Drainage Engineer. ‖ Gauge over-exposed on moor.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	CENTRAL LANCASHIRE—(*contd.*).			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—RIBBLE. Douglas—(*contd.*).									
w	Rivington (Gamekeeper's)		Lt.-Col. F. Hibbert, C.E.	8	1 1	850	45·4	45·36	...	...
w	Chorley (Filter Beds)		Lt.-Col. F. Hibbert, C.E.	8	1 0	430	...	37·79	...	...
D	Chorley (Common Bank Sew. Wks.)		J. Slater, Esq.	5	1 0	186	...	32·47	191	137
D	Chorley (Cowling Sewage Works)		Borough Engineer	5	1 0	262	...	34·87	184	143
d	Bretherton (Bank Hall)		R. Douglas Catchment Bd.*	5	1 0	20	...	30·44	181	146
D	Bamber Bridge (Cuerden Hall)		J. Alleyne Robinson, Esq.	5	1 0	230	35·7	33·41	166	145
	3.—COAST STREAMS. 52 sq. mi.									
D	Formby (The Dunes)		J. Harold Coney, Esq.	5	0 9	30	29·8	30·16	174	141
D	SOUTHPORT (BEDFORD RD. PARK)		Town Clerk	5	1 0	35	32·0	30·96	179	145
D	Rufford (Pulmonary Hospital)		Head Gardener*	5	1 0	38	...	29·24	161	134
D	Southport (Hesketh Park)	(+A)	Town Clerk	8	1 0	37	32·0	30·40	184	142
D	Crossens Pumping Stn.		L. J. Lepine, Esq.	5	0 4	15	...	28·09	156	135
	4.—OUSE. Aire. 2 sq. mi.									
d	Watersheddles Res.	No. 2	G. E. V. Boldry, Esq., C.E.	5	1 0	1115	...	54·37	199	159
	Foulridge (Canal Office)		Leeds & Liverpool Canal Co.	8	1 0	497	43·5	(46·41)	...	...
	NORTH LANCASHIRE. (Area, 609 sq. mi.)									
	1.—DUDDON & C. 77 sq. mi.									
D	Barrow-in-Furness (Gas Works)		Engineer	5	1 0	17	37·6	37·91	184	143
D	Barrow-in-Furness (Sew. Wks.)	(+A)	J. N. Flitcroft, Esq., C.E.	5	1 0	20	39·3	38·04	209	143
	Barrow-in-Furness (Risedale M. Sch.)		Headmaster	5	1 0	55	...	37·86	...	...
D	Barrow-in-Furness (Abbey Road)		P. M. Rainey, Esq.	5	1 0	128	...	35·08	165	137
D	Ulverston (Poaka Beck)		Engineer, Barrow	5	1 6	512	52·1	44·50	206	166
w	§Duddon Valley (Seathwaite Tarn)		Engineer, Barrow	5	1 0	1221	92·7	85·20	...	...
	2.—LEVEN & C. 135 sq. mi.									
D	Ulverston (Pengwerne)		C. J. Chapman, Esq.	5	1 2	124	50·1	45·70	204	168
D	Haverthwaite (Outwood)		Sir Bryan Fell, K.C.M.G.	5	1 0	65	...	51·39	199	169
D	Cartmel Fell (Tower Wood)		Windermere U.D.C.	5	1 0	150	...	53·76	193	157
	Cartmell Fell (Ghyll Head Res.)		J. N. Leckie, Esq.	8	1 0	420	63·1	59·44	...	...
D	Torver (Greystones)		J. C. Appleyard, Esq.	8	1 0	350	...	62·04	211	165
d	Coniston (Thwaite Cottage)		E. W. Graham, Esq.	5	1 0	150	...	71·76	200	167
D	Coniston (Holywath)		Major J. W. B. Hext	8	0 9	250	...	80·86	209	174
D	Hawkshead (Low House, Sawrey)		Mrs. W. H. Baines	5	1 0	342	65·3	61·64	203	196
D	Hawkshead (Council School)		Headmaster	5	2 0	241	71·1	60·69	181	162
d	Hawkshead (Keen Ground)		Freshwater Biological Assoc.	5	1 0	...	...	(67·38)	190	160
D	Hawkshead Hill		Miss R. E. Sugden, B.A.	5	1 0	600	...	72·99	183	162
d	High Wray (Wray Castle)		Freshwater Biological Assoc.	5	1 0	202	...	65·87	...	...
d	High Wray (Huyton Hill School)		Freshwater Biological Assoc.	5	1 0	...	...	61·64	...	...
	3.—KENT & C. 45 sq. mi.									
d	Heysham Harbour		British Railways	5	1 0	36	34·7	35·61	...	...
D	MORECAMBE		Town Clerk	8	1 0	23	37·0	35·36	164	133
D	Morecambe (Stuart Avenue)		H. W. Apperley, Esq.	5	1 0	18	...	36·69	183	133
D	Morecambe (Bare Lane)		K. M. Wolstencroft, Esq.	5	0 11	20	...	35·89	174	134
D	Hest Bank (Greendale)		W. Watson, Esq.	5	1 6	97	...	36·81	179	127
d	Bolton-le-Sands (Orchard Avenue)		S. Moorhouse, Esq.	5	1 0	5	...	38·62	186	131
D	Carnforth (Priest Hutton)		late A. Wilson, Esq.	5	1 0	100	...	40·66	206	153
d	Lindale (Ellerhow)		Lady Tomlinson	5	1 0	300	51·4	48·31	192	150

* *Per* Lancs. C.C. Land Drainage Engineer. § Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	NORTH LANCASHIRE—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	4.—LUNE. 135 sq. mi.								
D	Hampson-in-Ellel	John Welch, Esq.	5	1 0	145	38·3	34·73	199	147
D	Lancaster (Blea Tarn Res.)	L. Lyons, Esq., C.E.	5	1 0	330	...	40·07	200	143
	Lancaster (Stodday)	L. Lyons, Esq., C.E.	5	1 0	25	...	33·47	...	...
d	Lancaster (Lune Aqueduct)	British Railways	8	1 0	74	38·4	39·63	...	...
	5.—WYRE & C. 213 sq. mi.								
D	Hornby (The Snab)	A. T. Storey, Esq.	5	1 0	110	...	41·20	173	139
D	Weeton Reservoir	No. 1 Fylde Water Board	5	1 0	133	36·6	34·64	185	150
D	Fulwood W.W. (Haighton Res.)	Engineer and Surveyor*	5	1 0	264	...	36·26	178	143
D	BLACKPOOL (Stanley Park)	(+A) Medical Officer of Health	5	1 0	65	33·4	33·89	185	145
D	St. Michael's-on-Wyre (Fairway)	E. W. Hornby, Esq.	5	1 0	26	36·0	32·02	176	138
D	Fulwood W.W. (Barnsfold Res.)	Engineer & Surveyor*	5	1 0	508	...	42·54	199	153
D	FLEETWOOD (Memorial Park)	Town Clerk	5	1 0	21	...	36·54	180	165
D	Garstang (Barnacre Reservoir)	Fylde Water Board	5	1 0	616	45·7	39·49	188	151
D	Garstang (Grizedale Reservoir)	Fylde Water Board	5	1 0	517	43·6	37·92	191	145
	Garstang (Calder Intake)	Fylde Water Board	5	1 0	632	46·6	40·11	...	...
	Garstang (Grizedale Intake)	Fylde Water Board	5	1 0	644	46·6	38·95	...	...
D	Wyresdale (Abbeystead Res.)	L. Lyons, Esq., C.E.	5	1 0	366	47·9	47·09	196	160
D	Abbeystead Gardens	Mr. Geo. Penk	5	1 0	420	50·1	45·73	195	157
D	Damas Ghyll Reservoir	L. Lyons, Esq., C.E.	5	1 0	590	...	44·03	190	146
M	Quernmore (Old Gauge Basin)	L. Lyons, Esq., C.E.	8	1 0	963	46·1	45·21	...	...
M	Quernmore (Hare Syke)	L. Lyons, Esq., C.E.	5	1 0	1610	...	53·31	...	...
	6.—INSULAR. 4 sq. mi.								

DIVISION IX—YORKSHIRE

	WEST RIDING. (Area, 2,803 sq. mi.)								
	1.—LUNE. 178 sq. mi.								
D	High Bentham (Inglefield)	Geoffrey Holmes, Esq.	5	1 0	412	...	41·94	193	138
D	Sedbergh (Brigflatts)	The Misses Wilson	5	1 0	305	53·0	55·26	193	161
D	Sedbergh School	H. Dawson, Esq.	5	1 0	400	...	47·93	179	141
	2.—RIBBLE. 225 sq. mi.								
D	Colne (Lower Coppy)	F. R. Boothman, Esq., C.E.	5	1 7	975	...	41·95	197	162
D	Colne (Laneshaw Res.)	F. R. Boothman, Esq., C.E.	5	1 9	795	...	40·92	195	156
	Slaidburn (Hareden Fell)	E. C. Oakes, Esq., C.E.	8	1 2	1300	...	65·15	...	...
D	Slaidburn (Hareden Valley)	E. C. Oakes, Esq., C.E.	8	1 2	563	68·3	62·04	232	167
D	Slaidburn (Langden Brook)	E. C. Oakes, Esq., C.E.	8	1 2	559	68·6	62·65	212	170
	Slaidburn (Holdron Moss)	E. C. Oakes, Esq., C.E.	8	1 2	1300	...	61·91	...	...
D	Slaidburn (Dunsop Houses)	G. McKay, Esq., C.E.	8	1 6	450	62·9	52·85	178	169
D	Slaidburn (Brennand)	G. McKay, Esq., C.E.	8	1 6	820	68·3	53·48	171	153
D	Slaidburn (Croasdale House)	G. McKay, Esq., C.E.	8	1 6	600	51·0	48·77	165	143
D	Slaidburn (Stocks)	No. 10 Fylde Water Board	5	1 0	658	...	51·94	201	163
D	Slaidburn (Stocks)	No. 11 Fylde Water Board	5	1 0	629	...	52·55	205	165
d	Slaidburn (Croasdale Valley)	G. McKay, Esq., C.E.	8	1 6	720	...	52·22	...	...
D	Slaidburn (Whitendale)	G. McKay, Esq., C.E.	8	1 6	830	70·0	60·07	171	156
	Slaidburn (Dalehead)	Fylde Water Board	5	1 0	610	...	53·58	...	...
M	Slaidburn (Cabin Hill)	G. McKay, Esq., C.E.	5	1 0	1559	68·5	(60·19)	...	...
M	Slaidburn (Baxton Fell)	G. McKay, Esq., C.E.	5	1 0	1525	75·8	65·79	...	...
	Slaidburn (Saddle Hill)	G. McKay, Esq., C.E.	5	1 0	1425	...	(60·81)	...	...
	Settle (Catlow)	Fylde Water Board	5	1 0	827	...	59·36	...	...
	Settle (Lamb Hill)	Fylde Water Board	5	1 0	1328	...	59·15	...	...
D	Settle (Gas Works)	J. E. Ashworth, Esq.	8	2 6	450	43·9	42·25	206	136
d	Giggleswick (Belfield)	E. H. Horner, Esq.	5	1 0	600	...	38·35	...	...

* *Per* Lancashire C.C. Land Drainage Engineer.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	WEST RIDING—(*contd.*).			*in.*	*ft.*	*ft.*	*in.*	*in.*		
	3.—MERSEY. Irwell. 2 sq. mi.									
D	Oldham (Strinesdale)		C. Busfield, Esq.	5	1	791	44·7	40·67	197	152
	4.—MERSEY. UPPER. 35 sq. mi.									
	Greenfield (Chew, Blindstones)		M. T. B. Whitson, Esq., C.E.	5	1	1745	...	50·93	...	...
	Greenfield (Chew Great Gruff)		M. T. B. Whitson, Esq., C.E.	5	1	1650	...	47·42	...	...
D	Greenfield (Chew Mount)		M. T. B. Whitson, Esq., C.E.	5	1	1578	50·7	48·54	238	180
	Greenfield (Chew Reservoir)		M. T. B. Whitson, Esq., C.E.	5	1	1648	...	50·10	...	...
D	Greenfield (Lower Chew)		M. T. B. Whitson, Esq., C.E.	5	1	825	...	45·11	204	162
	Greenfield (Chew Sluice)		M. T. B. Whitson, Esq., C.E.	5	1	1670	...	49·89	...	...
D	Greenfield (Sewage Disposal Works)		Manager	5	1	499	...	36·82	186	162
D	Greenfield (Yeoman Hey)		M. T. B. Whitson, Esq., C.E.	5	1	784	49·1	44·94	203	159
W	Greenfield (Ashway Moss)		M. T. B. Whitson, Esq., C.E.	5	1	1581	...	47·15	...	...
W	Greenfield (Birchen Clough)		M. T. B. Whitson, Esq., C.E.	5	1	1018	51·4	46·36	...	...
W	Greenfield (Upperwood Moor)		M. T. B. Whitson, Esq., C.E.	5	1	1518	...	50·79	...	...
	Saddleworth Station		British Railways	5	1	573	...	43·22	...	...
D	Standedge (Cas. Shaw Broadhead)		C. Busfield, Esq.	8	1	957	51·5	48·70	229	177
D	Denshaw C. E. School		Head Teacher	8	1	870	...	44·77	187	160
D	Denshaw (Ox Hey)		C. Busfield, Esq.	8	1	1031	48·9	44·00	218	164
D	Denshaw (Crawshaw Hey)		C. Busfield, Esq.	8	1	956	48·5	43·51	218	169
D	Denshaw (New Year's Bridge)		C. Busfield, Esq.	8	1	986	...	41·50	218	166
	5.—TRENT. Derwent. 9 sq. mi.									
d	Burbage (Parson's House)		Sheffield Corporation W.W.	8	1	1309	36·1	36·38	...	...
	Burbage (Higger Lodge)		Sheffield Corporation W.W.	5	1	1225	36·8	35·20	...	...
§	Burbage (Upper Burbage)		Sheffield Corporation W.W.	5	1	1364	38·1	37·59	...	...
M	Derwent Dale (Howden Dean)	No. 72	Derwent Valley Water Bd.	5	1	960	...	(46·60)	...	...
M	§Derwent Dale (Howden Cl'gh)	No. 64A	Derwent Valley Water Bd.	5	1	1010	44·4	45·61	...	...
M	§Derwent Dale (Sandy Lee)	...No. 7A	Derwent Valley Water Bd.	5	1	1320	...	(54·75)	...	...
	6.—TRENT. Left Bank Tributaries. 143 sq. mi.									
D	Austerfield Pumping Station		Doncaster & Tickhill W. Bd.	8	1	32	...	19·64	163	103
D	Rossington Main Colliery		Rossington Colliery Co., Ltd.	5	1	22	...	21·63	159	114
D	FINNINGLEY (Airfield)	(+A)	Meteorological Office	5	1	28	...	20·64	154	112
D	Balby (Sewage Works)		W. H. Price, Esq., C.E.	5	1	29	...	19·16	156	111
D	Doncaster (Low Pasture P.S.)		W. H. Price, Esq., C.E.	5	1	24	...	20·45	157	111
	7.—OUSE. Don. 574 sq. mi.									
	Burbage (Badger House)		Sheffield Corporation W.W.	5	1	1138	...	36·39	...	...
d	Sheffield W.W. (Redmires R.)	(R)	Sheffield Corporation W.W.	10	5	1110	40·3	42·22	...	...
d	Sheffield W.W. (Redmires R.)		Sheffield Corporation W.W.	5	1	1110	41·0	42·49	...	...
	Rivelin (Oaking Clough)		Sheffield Corporation W.W.	8	1	1160	39·8	42·89	...	...
	Rivelin (Oaking Clough)	No. 2	Sheffield Corporation W.W.	5	1	1185	...	43·57	...	...
	Rivelin (Middle Moss)		Sheffield Corporation W.W.	5	1	1168	41·0	44·92	...	...
d	Sheffield W.W. (Rivelin)	(+A)	Sheffield Corporation W.W.	8	1	564	35·2	37·39	...	...
	Sheffield W.W. (Black Clough)		Sheffield Corporation W.W.	5	1	1175	40·3	46·33	...	...
d	Sheffield W.W. (Crookes)		Sheffield Corporation W.W.	5	1	629	31·0	31·09	...	...
D	SHEFFIELD (Weston Park)		The Corporation	5	1	428	30·4	30·35	185	134
	Loxley Valley (Crawshaw Wood)		Sheffield Corporation W.W.	5	1	1175	...	41·41	...	...
	Loxley Valley (Broadcar)		Sheffield Corporation W.W.	5	1	1004	44·4	44·48	...	...
	Loxley Valley (Oakes Fm. Damflask)		Sheffield Corporation W.W.	5	1	650	36·1	37·50	...	...
	Loxley Valley (Loftshaw, Strines)		Sheffield Corporation W.W.	5	1	1011	43·2	42·10	...	...
d	Loxley Valley (Bradfield Filters)		Sheffield Corporation W.W.	8	1	551	...	38·17	...	...
d	Loxley Valley (Dale Dike Res.)		Sheffield Corporation W.W.	8	1	715	41·9	41·51	...	...
	Loxley Valley (Brogging Moss)		Sheffield Corporation W.W.	5	1	1360	...	48·19	...	...
	Loxley Valley (Thornseat)		Sheffield Corporation W.W.	5	1	1326	42·6	43·12	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	WEST RIDING—(*contd.*).			*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	7.—OUSE. Don.—(*contd.*).									
	Loxley Valley (Rocker Flat) ...	...	Sheffield Corporation W.W.	5	1 0	1106	37·1	(35·96)	...	...
	Loxley Valley (Emlin Moor) ...	...	Sheffield Corporation W.W.	5	1 0	998	41·3	41·20	...	...
	§Loxley Valley (White Lee Moor)	...	Sheffield Corporation W.W.	5	1 0	1170	...	43·30	...	...
	Loxley Valley (Hobson Moss)	...	Sheffield Corporation W.W.	5	1 0	1530	...	45·89	...	...
D	Rotherham (Ulley Res.) ...	No. 2	E. J. Manson, Esq., C.E.	5	1 0	184	23·4	21·76	156	122
D	Rotherham (Ulley Res.) ...	No. 3	E. J. Manson, Esq., C.E.	5	1 0	132	23·2	22·00	156	122
D	Wincobank (Sewage Works) ...	...	J. H. Edmondson, Esq. ...	5	1 6	110	23·0	21·71	162	118
D	ROTHERHAM (Broom Lane) ...	...	L. Atkinson, Esq.	5	1 0	284	...	23·55	176	124
D	Rotherham (Ramsden Road) ...	...	H. V. Radcliffe, Esq. ...	5	1 0	180	...	23·59	157	128
D	Rotherham (Kimberworth School)	...	E. J. Manson, Esq., C.E.	5	1 0	258	24·7	24·49	151	125
D	Rotherham (Thrybergh) ...	...	W. H. Price, Esq., C.E. ...	8	1 0	184	23·8	26·00	175	117
D	Ecclesfield (Sewage Works) ...	...	J. Gregory, Esq., C.E. ...	5	0 7	172	25·6	26·47	169	131
D	Conisborough (Firsby Res.) ...	...	W. H. Price, Esq., C.E. ...	8	1 3	189	26·1	27·14	178	130
	§Ewden (Middle Moss)	...	Sheffield Corporation W.W.	5	1 0	1600	51·0	51·64	...	...
	Ewden (Broomhead Moor) ...	...	Sheffield Corporation W.W.	5	1 0	1370	47·8	45·58	...	...
d	Ewden (Canyard Brook) ...	...	Sheffield Corporation W.W.	5	1 0	585	...	40·93	...	...
	Ewden (Candle Rush)	...	Sheffield Corporation W.W.	5	1 0	1400	...	50·63	...	...
d	Ewden (More Hall Reservoir)...	...	Sheffield Corporation W.W.	8	1 6	408	33·9	33·18	...	...
d	Ewden (Broomhead Res.) ...	...	Sheffield Corporation W.W.	5	1 0	484	...	37·38	...	...
	Ewden (Margery Hill)	No. 2	Sheffield Corporation W.W.	5	1 0	1784	52·3	53·33	...	...
	Ewden (Brown Edge)	...	Sheffield Corporation W.W.	5	1 0	1325	50·5	47·40	...	...
D	Wentworth Woodhouse ...	...	Mr. A. Wilson	5	0 10	360	27·2	26·37	129	124
D	Wortley (Service Reservoir) ...	...	W. G. Lees, Esq., C.E. ...	5	1 0	700	30·0	31·38	203	144
D	Midhope Moor (Barnside) ...	...	W. G. Lees, Esq., C.E. ...	5	1 0	1000	43·4	46·94	208	161
	Little Don Val. (Laund Clough)	...	Sheffield Corporation W.W.	5	1 0	1515	...	57·13	...	...
d	Little Don Val. (Underbank Res.)	...	Sheffield Corporation W.W.	8	1 6	604	36·8	37·34	...	...
	Little Don Val. (Brockholes) ...	...	Sheffield Corporation W.W.	5	1 0	902	37·6	36·18	...	...
	Little Don Val. (Sheep House)	...	Sheffield Corporation W.W.	5	1 6	945	34·6	35·92	...	...
D	Langsett Moor (Midhope) ...	...	W. G. Lees, Esq., C.E. ...	5	1 0	823	...	43·81	199	163
d	Langsett Moor (Upper Midhope)	...	Sheffield Corporation W.W.	8	1 6	925	41·6	41·67	...	...
	§Langsett Moor (Mickleden) ...	...	Sheffield Corporation W.W.	5	1 0	1217	48·0	52·53	...	...
	Langsett Moor (Mickleden Edge)	...	Sheffield Corporation W.W.	5	1 0	1110	50·3	54·99	...	...
	Langsett Moor (Catclough) ...	...	Sheffield Corporation W.W.	8	1 0	1516	47·8	55·48	...	...
	§Langsett Moor (Fiddlers Green)	...	Sheffield Corporation W.W.	8	1 6	1493	48·7	52·99	...	...
	Langsett Moor (Fiddlers G..) *Check*		Sheffield Corporation W.W.	5	1 0	1480	49·1	53·95	...	...
	§Dunford Bridge (Brown's Cl'gh)	No. 10	D. E. Strachan, Esq., C.E.	5	1 0	1405	...	60·40	...	...
	Langsett Moor (Border Hill) ...	...	Sheffield Corporation W.W.	5	1 0	1148	46·9	50·13	...	...
d	Langsett Moor (Swinden Lodge) (+A)		Sheffield Corporation W.W.	8	1 0	1032	44·0	45·95	...	...
d	Langsett Moor (Flouch Road)	...	Sheffield Corporation W.W.	8	1 0	960	42·2	43·91	...	...
D	Thurgoland (Spring House) ...	...	Major K. C. Banks... ...	5	1 0	610	...	29·75	171	133
D	Wath-upon-Dearne (Chapel St.)	...	The Water Engineer ...	8	1 3	188	24·8	23·36	152	125
D	Hoyland Nether (King St.) ...	...	Dearne Valley Water Bd. ...	5	1 6	500	...	27·55	172	131
W	§Hazlehead (Town Brook Intake)	...	W. G. Lees, Esq., C.E. ...	5	1 0	1037	...	50·48	...	...
W	§Dunford Bridge (Long Grain)	...	W. G. Lees, Esq., C.E. ...	5	1 0	1125	...	55·39	...	...
d	§Wogden Foot (Cat Clough) ...	...	W. G. Lees, C.E.	5	1 0	889	...	50·44	...	...
D	Doncaster (Pumping Station)	...	W. H. Price, Esq., C.E. ...	5	1 0	31	...	21·45	150	111
D	Bolton-on-Dearne (Goldthorpe)	...	Dearne Valley Water Board	5	1 0	93	24·3	22·98	157	114
	§Dunford Bridge (Deardon Moss)	...	D. E. Strachan, Esq., C.E.	5	1 0	1500	...	60·65	...	...
D	Dunford Bridge (Stoney Gate)	...	D. E. Strachan, Esq., C.E.	5	1 0	1086	...	51·02	217	165
	§Dunford Bridge (End Springs)	...	D. E. Strachan, Esq., C.E.	5	1 0	1450	...	57·45	...	...
D	§Dunford Bridge Res.	...	D. E. Strachan, Esq., C.E.	5	1 0	1081	...	53·23	217	171
	Dunford Bridge (Grains Plantations)		D. E. Strachan, Esq., C.E.	5	1 0	1150	...	(52·00)	...	...
	§Dunford Bridge (Swiner Clough Moss)		D. E. Strachan, Esq., C.E.	5	1 0	1503	...	58·15	...	...
d	Wombwell (Broomhill W.W.)	...	Dearne Valley Water Bd. ...	5	1 6	75	...	22·95	121	97
D	§Dunford Bridge (Harden) ...	...	D. E. Strachan, Esq., C.E.	5	1 0	1204	...	52·27	222	169

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	WEST RIDING—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	7.—OUSE—(*contd.*).								
	§Dunford Bridge (Reaps Slack)	... D. E. Strachan, Esq., C.E.	5	1 0	1490	...	57·50	...	...
D	Barnsley (Worsborough Bridge)	... Engineer and Surveyor ...	5	1 6	150	...	(27·22)	163	113
D	Darfield (Sewage Works) ...	... Surveyor	5	1 0	83	...	22·77	156	122
D	§Penistone (Royd Moor) ...	... W. G. Lees, Esq., C.E. ...	5	1 0	835	...	39·10	184	146
M	Penistone (Gringley Carr) ...	... W. G. Lees, Esq., C.E. ...	5	1 0	1090	...	45·02	...	...
D	Penistone (Ingbirchworth Res.)	... W. G. Lees, Esq., C.E. ...	5	1 6	853	38·0	36·66	185	144
	Penistone (Spicer House) ...	... W. G. Lees, Esq., C.E. ...	5	1 0	985	...	39·13	...	...
D	§Penistone (Broadstone Res.) ...	... W. G. Lees, Esq., C.E. ...	5	1 0	1030	...	45·84	199	158
W	Hepworth (Pottersgate Ho.) ...	... W. G. Lees, Esq., C.E. ...	5	1 0	1165	...	44·47	...	...
D	Barnsley (Jordan Hill)	... W. G. Lees, Esq., C.E. ...	5	1 0	460	26·2	27·88	180	127
D	Doncaster (Sandall Works) ...	... W. H. Price, Esq., C.E. ...	5	1 0	41	...	21·07	173	117
D	Bentley Colliery...	... National Coal Board ...	5	1 0	23	...	21·96	160	113
D	Cawthorne (Cannon Hall) ...	... J. M. Spencer Stanhope, Esq.	5	0 7	350	29·1	28·64	151	125
D	Barnsley (Burntwood Hall) ...	... R. Dymond, Esq.	5	1 0	378	25·9	32·07	173	128
D	Kirk Bramwith	... C. E. Farran, Esq.	5	2 6	22	23·2	19·04	149	109
D	Rawcliffe (Black Drain P.S.) ...	... G. H. Simmons, Esq. ...	5	0 10	12	...	20·26	161	117
D	Goole	... Aire & Calder Navigation	5	1 0	18	22·9	22·15	162	112
	8.—OUSE. Aire. Calder. 361 sq. mi.								
D	Great Hey	... H. P. Joyce, Esq., C.E. ...	5	1 0	1200	...	63·23	203	168
D	Hey Springs	... H. P. Joyce, Esq., C.E. ...	5	1 0	1100	...	60·73	202	167
D	Holmbridge (Yateholme) ...	... H. P. Joyce, Esq., C.E. ...	5	1 0	1009	59·2	59·00	203	167
D	Holmbridge (Ramsden) ...	... H. P. Joyce, Esq., C.E. ...	5	1 0	861	56·4	56·12	205	169
	Holmbridge (Bilberry Res.) ...	... J. P. Beveridge, Esq., C.E.	5	1 0	970	...	47·58	...	...
d	Holmfirth (Holme Styes Res.)	... Water Engineer	5	2 0	925	45·7	(45·71)	204	153
	Holmfirth (Boshaw Whams Res.)	... J. P. Beveridge, Esq., C.E....	5	1 0	930	...	44·63	...	...
	§Hepworth (Spring Head) (A)	... W. G. Lees, Esq.	5	1 0	1165	...	44·10	...	...
d	Holmfirth (Snape Res.) ...	... Water Engineer	5	2 0	1075	...	46·45	...	...
	Meltham (Harden Moss) ...	... J. P. Beveridge, Esq., C.E.	8	1 0	1212	...	49·08	...	...
	Wessenden Head	... J. P. Beveridge, Esq., C.E.	8	1 0	1270	...	47·40	...	...
	Wessenden (Holly Bank Moss)	... J. P. Beveridge, Esq., C.E.	8	1 0	1280	...	50·10	...	...
	Wessenden (Old Reservoir) ...	... J. P. Beveridge, Esq., C.E.	8	1 0	940	...	48·20	...	...
M	Standedge (Redbrook Res.) ...	... British Railways	5	1 0	1150	...	(48·76)	...	...
	Wessenden (Butterley Moss) ...	... J. P. Beveridge, Esq., C.E.	8	1 0	1110	...	51·59	...	...
	§Wessenden (Bobus)	... J. P. Beveridge, Esq., C.E.	8	1 0	1200	...	47·52	...	...
	Meltham (Brow Grains) ...	... J. P. Beveridge, Esq., C.E.	8	1 0	900	45·0	46·99	203	152
d	Meltham (Royd Edge) ...	... United Thread Mills, Ltd.	8	1 3	585	48·3	49·34	...	...
	Meltham Grange	... J. P. Beveridge, Esq., C.E.	8	1 0	850	42·9	43·26	194	142
	*Marsden Reservoir	... British Railways	5	1 0	657	50·5	51·07	...	...
	Marsden (Deer Hill)	... J. P. Beveridge, Esq., C.E.	8	1 0	1149	45·0	48·56	212	151
D	Slaithwaite (Blackmoorfoot) ...	... J. P. Beveridge, Esq., C.E.	8	1 0	800	43·1	45·20	202	161
	Slaithwaite (Deanhead Res.) ...	... J. P. Beveridge, Esq., C.E.	5	1 0	1007	...	50·51	213	187
D	HUDDERSFIELD (OAKES) ...	... S. Morris Bower, Esq. ...	5	1 0	761	34·9	43·61	211	156
W	Moss Moor (Linsgreave) ...	... Wakefield Corpn. W.W. ...	5	1 0	1264	52·3	53·34	...	...
D	Rishworth (Great Walden Edge)	... Wakefield Corpn. W.W. ...	5	1 0	1135	49·3	52·56	230	180
W	Rishworth (Long Clough) ...	... Wakefield Corpn. W.W. ...	5	1 0	1000	52·8	54·08	...	...
W	Rishworth (Stott Hall) ...	... Wakefield Corpn. W.W. ...	5	1 0	935	46·8	49·62	...	...
D	§Rishworth Lodge	... Wakefield Corpn. W.W. ...	5	0 11	950	...	49·03	214	171
D	Rishworth (Green Withens Res.)	... Wakefield Corpn. W.W. ...	5	1 0	1205	48·2	51·22	234	179
W	Rishworth (Pike End)	... Wakefield Corpn. W.W. ...	5	1 0	1225	48·3	51·20	...	...
D	Rishworth (Ringstone Res.) (*lower*)	Wakefield Corpn. W.W. ...	5	1 0	962	46·9	49·14	204	162
W	Soyland Moor (Greystones) ...	... Wakefield Corpn. W.W. ...	5	1 4	1192	52·6	49·44	...	...
W	Soyland Moor (Summit) (East)	... Wakefield Corpn. W.W. ...	5	0 11	1218	52·9	49·81	...	...
D	Soyland Moor (Stansfield Hey)	... Wakefield Corpn. W.W. ...	5	1 0	700	43·3	44·34	198	153
W	Soyland Moor (Baitings) ...	... Wakefield Corpn. W.W. ...	5	1 0	943	51·4	46·54	...	...

§ Turf wall round gauge. * Gauge on a steep bank.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	WEST RIDING—(*contd.*).		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	8.—OUSE. Aire. Calder—(*contd.*).								
D	Soyland Moor (Byron Edge)	C. Busfield, Esq.	8	1 0	1251	48·3	48·31	208	175
W	Soyland Moor (Manshead)	Wakefield Corpn. W.W.	5	1 0	1225	51·6	47·53	...	...
D	Walsden (White Holme)	C. Busfield, Esq.	8	1 0	1240	...	44·79	208	170
D	Walsden (Calf Lee)	Rochdale Corporation	8	1 0	960	...	42·83	215	169
D	Walsden (Warland Res.)	Rochdale Corporation	8	1 0	1245	48·6	42·53	209	162
D	Walsden (Warland Drain)	Rochdale Corporation	8	1 0	1250	51·9	47·85	209	168
D	WAKEFIELD (Clarence Park)	Corporation	5	1 0	115	25·4	28·55	200	131
D	Normanton (Haw Hill Park)	Surveyor U.D.C.	8	1 1	136	23·3	26·40	189	130
D	Walsden (Ramsden Reservoir)	Rochdale Corporation	5	1 0	993	52·7	48·05	200	168
D	Todmorden (Gorpley Res.)	Borough Engineer	5	1 3	900	...	49·05	217	166
D	Todmorden (Fielden Hospital)	L. A. Crabtree, Esq.	5	1 0	650	...	48·38	215	161
D	Todmorden (Lower Laith)	D. A. Lord, Esq., F.R.Met.S.	5	1 0	500	...	47·48	228	162
D	Todmorden (Sourhall Hospital)	L. A. Crabtree, Esq.	5	1 0	1020	53·8	51·33	216	176
d	Halifax (Public Library)	Librarian	8	1 0	625	34·3	35·61	201	145
D	*Dewsbury (Mitchell Laithes Sew. Wks.)	Manager	8	1 0	115	...	24·56	183	114
D	Dewsbury (Municipal Offices) (+A)	Borough Engineer	5	1 6	225	...	25·50	163	121
D	Dewsbury (Crow Nest Park)	Superintendent of Parks	8	1 0	256	...	30·27	181	147
D	Heckmondwike (The Bottoms)	Spenborough U.D.C.	5	1 0	165	...	28·25	184	128
d	Batley (Staincliffe Reservoir)	H. P. Joyce, Esq., C.E.	5	1 0	492	25·3	28·12	180	134
D	Ardsley (Jaw Hill Filters)	Wakefield Corpn. W.W.	5	1 0	315	25·8	27·26	169	126
D	Ardsley Reservoir Upper	Wakefield Corpn. W.W.	5	1 2	395	25·4	25·97	186	127
D	Halifax W.W. (Albert Res.)	H. F. Lea, Esq., C.E.	5	1 0	795	35·3	36·92	195	149
D	Halifax W.W. (Gibbet Res.)	H. F. Lea, Esq., C.E.	5	1 0	565	34·6	37·58	190	151
D	Todmorden (Eastwood Sew. Wks.)	Manager	5	1 0	368	...	42·95	192	146
D	Mytholmroyd (Redacre)	C. H. Brock, Esq.	5	1 0	315	...	41·59	207	145
D	Halifax W.W. (Ramsden Wood)	H. F. Lea, Esq., C.E.	5	1 0	815	38·3	41·40	206	163
D	§Halifax W.W. (Castle Carr Lo.)	H. F. Lea, Esq., C.E.	5	1 0	1060	42·6	44·90	204	167
W	§Halifax W.W. (Gorple Res.) No. 2	H. F. Lea, Esq., C.E.	5	1 0	1275	...	56·58	...	...
W	Halifax W.W. (Midgley Moor)	H. F. Lea, Esq., C.E.	8	1 0	1350	44·3	48·74	...	...
W	§Halifax W.W. (Gorple Res.) No. 3	H. F. Lea, Esq., C.E.	5	1 0	1160	...	53·15	...	...
W	Halifax W.W. (Warley Moor)	H. F. Lea, Esq., C.E.	8	1 0	1325	43·0	48·34	...	...
D	Halifax W.W. (Ogden)	H. F. Lea, Esq., C.E.	5	1 0	990	43·5	43·85	194	166
W	Halifax W.W. (Ovenden Moor)	H. F. Lea, Esq., C.E.	8	1 0	1375	41·8	47·26	...	...
D	§Halifax W.W. (Gorple Res.)	H. F. Lea, Esq., C.E.	5	1 0	1028	...	50·41	215	170
W	Halifax W.W. (Widdop Res.) No. 4	H. F. Lea, Esq., C.E.	5	1 0	1060	...	54·02	...	...
D	§Halifax W.W. (Widdop Res.) No. 2	H. F. Lea, Esq., C.E.	5	1 0	1065	...	51·65	210	180
W	§Halifax W.W. (Widdop Res.) No. 3	H. F. Lea, Esq., C.E.	5	1 0	1060	...	52·08	...	...
D	§Halifax W.W. (Walshaw Dean L.)	H. F. Lea, Esq., C.E.	5	1 0	1040	48·1	52·95	214	179
W	§Halifax W.W. (Walshaw Dean) No. 3	H. F. Lea, Esq., C.E.	...	1 0	1180	...	55·84	...	...
W	§Halifax W.W. (Walshaw Dean) No. 4	H. F. Lea, Esq., C.E.	...	1 0	1425	...	52·70	...	...
	9.—OUSE. Aire. 504 sq. mi.								
D	PONTEFRACT (The King's School)	Headmaster	5	1 0	255	23·3	24·42	181	123
D	Pontefract (Roall W.W.)	W. H. Newton, Esq., C.E.	8	1 0	42	23·0	22·36	152	108
D	Goole (Sewage Pumping Stn.)	Borough Engineer	5	1 0	10	...	21·89	158	112
D	Rothwell (Lemonroyd Sew. Wks.)	Rothwell U.D.C.	5	1 0	64	...	23·61	186	116
D	Selby (Brayton Barff W.W.)	Waterworks Engineer	8	1 0	173	...	22·68	159	120
	Bradford (Brayshaw Reservoir)	Waterworks Engineer	5	1 0	982	36·5	39·36	...	...
D	Bradford (Waverley Terrace)	J. C. Crossley, Esq.	5	5 0	495	...	33·54	190	146
D	BRADFORD (Lister Park)	Corporation	8	1 0	439	33·9	34·90	195	145
D	Bradford (Thornton Moor Filters)	Waterworks Engineer	5	1 0	1190	44·3	48·69	236	174
D	Bradford (Stubden Res.) No. 8	Waterworks Engineer	5	1 0	1071	44·9	49·53	211	165
M	Bradford (Nan Scar, Oxenhope)	Waterworks Engineer	5	1 0	1101	...	50·77	...	...
M	Bradford (Stairs Top, Oxenhope)	Waterworks Engineer	5	1 0	1360	52·4	49·79	...	...
D	Bradford (Leeming Reservoir)	Waterworks Engineer	5	1 0	850	...	46·89	211	166

* Exposure unorthodox. § Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	WEST RIDING—(*contd.*).			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	9.—OUSE. Aire—(*contd.*).									
D	Bradford (Doe Park Reservoir)		Waterworks Engineer	5	1 0	754	...	41·84	207	156
D	Bradford (Leeshaw Res.)		Waterworks Engineer	5	1 0	850	47·3	46·77	206	159
	Bradford (Chellow Dean Res.)		Waterworks Engineer	5	1 0	645	34·5	37·44	...	...
D	Bradford (Chellow Heights Res.)		Waterworks Engineer	5	1 0	848	...	38·12	159	143
D	Bradford (Hewenden Reservoir)		Waterworks Engineer	5	1 0	677	...	42·61	206	161
D	Bradford (Heaton Reservoir)		Waterworks Engineer	5	1 0	531	...	35·36	190	140
	Leeds (Wortley Reservoir)		K. L. Forster, Esq., C.E.	8	0 9	307	28·1	28·20	177	132
	Leeds (Knostrop)		K. L. Forster, Esq., C.E.	5	0 9	75	24·0	26·54	167	123
	Leeds (Woodhouse Moor)		K. L. Forster, Esq., C.E.	8	0 9	307	26·7	31·38	195	136
D	Seacroft (Leeds City Hospital)		Medical Superintendent	8	1 0	235	29·3	31·42	172	136
D	Leeds (Chapel Allerton)		E. J. Tibbs, Esq.	5	1 0	425	...	31·40	197	132
	Leeds (Weetwood Res.)		K. L. Forster, Esq., C.E.	8	1 0	300	27·5	30·36	194	138
	Haworth (Harbour Lodge)		G. E. V. Boldry, Esq., C.E.	8	1 0	1165	52·5	50·95	198	167
D	Haworth (Lower Laithe Res.)	(+A)	G. E. V. Boldry, Esq., C.E.	6	1 0	772	48·1	48·41	208	162
D	§Oakworth (Oldfield Filters)	No. 2	G. E. V. Boldry, Esq., C.E.	5	1 0	978	...	47·86	202	162
	§Oakworth (Keighley Moor)		G. E. V. Boldry, Esq., C.E.	5	1 0	1300	...	51·99	...	...
	§Oakworth (Clough Hey)		G. E. V. Boldry, Esq,. C.E.	5	1 0	1075	...	50·17	...	...
W	Oakworth (Newsholme Dean)		G. E. V. Boldry, Esq., C.E.	5	1 0	675	...	43·89	...	...
	§Oakworth (Keighley Moor)	No. 2	G. E. V. Boldry, Esq., C.E.	5	1 0	1025	...	52·94	...	...
D	Rawdon (Sewage Works)		Aireborough U.D.C.	8	1 9	150	...	31·16	174	137
D	Rawdon (Micklefield House)		Aireborough U.D.C.	5	1 0	579	29·0	31·78	183	136
D	BINGLEY (St. Ives Research Stn.)		Director	8	1 0	610	...	35·33	198	154
D	§Bingley (Gilstead Filters)		Engineer, Bradford W.W.	5	1 0	572	...	34·73	199	155
D	Adel (Lawns Wood Cemetery)		W. R. Pearson, Esq.	5	1 1	470	...	32·22	192	147
D	Keighley (The Knowle)		P. Clough, Esq.	5	1 0	390	...	34·08	191	144
D	Keighley (Hard Ings Lane)		Medical Officer of Health	5	0 10	304	35·7	35·32	184	146
	Bingley (Sunnydale Reservoir)		Engineer, Bradford W.W.	5	1 0	825	33·1	34·18	...	...
d	Salterforth (Barnoldswick W.W.)		Barnoldswick U.D.C.	8	1 4	832	46·6	45·02	195	143
D	Earby (Sewage Works)	(+A)	Surveyor	5	1 9	426	39·3	37·95	180	131
M	Silsden (Gill Grange)		Engineer, Bradford W.W.	5	1 0	883	30·8	38·62	...	...
D	Silsden Reservoir		Engineer, Bradford W.W.	5	1 0	560	...	39·76	183	154
M	Silsden (Cringles Res. Site)		Engineer, Bradford W.W.	5	1 0	715	31·3	39·85	...	...
D	Elslack (Stories Farm)		Barnoldswick U.D.C.	5	0 7	675	...	36·90	193	141
D	Skipton (Town Hall)	(+A)	K. B. Robinson, Esq.	8	1 10	367	33·5	34·78	182	141
	Gargrave (Ray Bridge Hill)		Leeds & L'pool Canal Co.	8	0 10	459	34·2	(43·27)	...	...
	Winterburn (Long Hill)		Leeds & L'pool Canal Co.	8	1 0	705	37·8	(43·78)	...	...
	10.—OUSE. Wharfe. 408 sq. mi.									
D	Tadcaster (CHURCH FENTON)	(+A)	Meteorological Office	8	1 0	27	...	22·93	172	121
	Adel (Eccup, East)		K. L. Forster, Esq., C.E.	8	0 9	375	29·3	35·70	196	152
	Harewood (Arthington)		K. L. Forster, Esq., C.E.	8	0 9	139	32·0	33·52	195	153
D	Harewood House		The Earl of Harewood	5	0 10	300	29·7	(31·86)	(164)	(126)
D	Otley (Sewage Works)		J. A. A. Pratt, Esq.	5	1 0	172	...	31·81	179	131
D	ILKLEY (Spence's Garden)		Engineer & Surveyor	5	1 0	315	35·1	37·31	190	146
D	ASKHAM BRYAN (Exptl. Farm)		University of Leeds	5	1 0	90	...	21·63	159	114
	Leathley (Lindley Wood S.)		K. L. Forster, Esq., C.E.	8	0 9	312	31·6	34·35	195	144
D	Ilkley (March Ghyll Reservoir)		J. A. A. Pratt, Esq.	5	0 6	655	34·0	(35·59)	(163)	(144)
D	York (Bishopthorpe Road)		J. Terry & Sons, Ltd.	5	1 0	54	...	22·46	167	112
D	York (Acomb Landing)		York W.W. Co.	5	1 0	40	22·6	22·50	161	118
M	Skipton (Counter Hill)		Engineer, Bradford, W.W.	5	1 0	951	30·2	36·24	...	...
D	Skipton (Chelker Reservoir)		Engineer, Bradford W.W.	5	1 0	730	32·9	37·60	187	163
D	Beamsley (Overdale)		A. Downs, Esq.	5	1 0	425	...	36·61	185	150
	Fewston (Timble Ings)		K. L. Forster, Esq., C.E.	8	0 9	912	35·5	39·74	178	146
	Fewston (Swinsty, East)		K. L. Forster, Esq., C.E.	8	0 9	460	34·4	36·34	190	142
	Fewston, North		K. L. Forster, Esq., C.E.	8	0 9	525	...	38·25	203	151

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·01 in. or more
	WEST RIDING—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	10.—OUSE. Wharfe—(*contd.*).								
	Fewston (Blubberhouses)	K. L. Forster, Esq., C.E.	8	0 9	575	37·1	40·84	199	161
D	Bolton Abbey Estate Office	E. E. Hey, Esq.	5	1 2	368	36·3	39·29	180	146
D	§Barden Reservoir	Engineer, Bradford W.W.	5	1 0	746	41·8	47·01	211	166
M	Upper Barden Reservoir	Engineer, Bradford W.W.	5	1 0	1164	...	50·79	...	...
	Rocking Moor (Spittle Ings)	K. L. Forster, Esq., C.E.	5	... ...	967	...	45·46	195	161
	Thruscross (Lane Head)	K. L. Forster, Esq., C.E.	8	0 9	950	...	41·94	172	152
	§Burnsall (Thorpe Fell)	Engineer, Bradford W.W.	5	1 0	1661	...	51·28	...	...
	Burnsall (Sandbed Beck)	Engineer, Bradford W.W.	5	1 0	676	41·0	47·10	...	...
	Braithwaite Moor (High House)	K. L. Forster, Esq., C.E.	5	... ...	1068	...	45·62	213	165
d	Threshfield (Far Croft)	Mrs. D. Sampson	5	1 0	650	...	43·65	...	...
D	Grimwith Reservoir	Engineer, Bradford W.W.	5	1 0	884	43·9	47·24	187	156
M	Grimwith (Trunla Hill)	Engineer, Bradford W.W.	5	1 0	1201	...	48·55	...	...
D	Oughtershaw Hall	Mr. T. White	5	1 6	1175	...	62·63	235	189
	11.—OUSE. Nidd. 254 sq. mi.								
D	Wetherby (Stockheld Park)	C. E. Johnson, Esq.	5	1 2	200	25·8	28·79	127	109
	Spofforth (Sewage Works)	Borough Corporation	5	1 0	181	27·0	27·18	183	129
M	Harrogate W.W. (Ling Cottage)	Water Engineer, Harrogate	5	1 0	740	33·4	35·56	...	...
M	Harrogate W.W. (Broad Dubb)	Water Engineer, Harrogate	5	1 0	725	34·1	35·54	...	...
M	Harrogate W.W. (Cobblers Cottage)	Water Engineer, Harrogate	8	1 0	730	33·5	34·99	...	...
D	Harrogate W.W. (Ten Acres Res.)	Water Engineer, Harrogate	8	1 6	620	34·9	37·78	204	160
D	Harrogate W.W. (Scargill Res.)	Water Engineer, Harrogate	8	1 0	646	34·8	38·34	210	165
D	Harrogate W.W. (Beaver Dyke R.)	Water Engineer, Harrogate	8	0 11	575	34·1	36·14	213	162
	Harrogate W.W. (John o' Gaunts)	Water Engineer, Harrogate	8	1 0	600	33·8	34·86	...	...
	§Harrogate W.W. (Long Stoop)	Water Engineer, Harrogate	5	1 0	700	33·8	36·53	...	...
M	Harrogate W.W. (Knab's Moor)	Water Engineer, Harrogate	5	1 0	700	32·5	35·90	...	...
D	HARROGATE (Harlow Moor Obsy.)	Borough Corporation	5	1 0	478	30·6	36·55	189	146
D	Harrogate (Harlow Hill Res.)	Water Engineer, Harrogate	8	1 0	589	...	36·55	186	147
	Harrogate (Bilton Sewage Works)	Borough Corporation	5	1 0	208	28·5	33·06	...	...
D	Birstwith Hall	Sir Frederick A. Ackroyd, Bt.	5	1 0	325	34·4	40·67	182	150
D	Pateley Bridge (Low Laithe)	A. Y. Barker, Esq.	5	1 6	380	...	41·64	182	147
	Ramsgill (Holme Ho. Gouthwaite)	Engineer, Bradford, W.W.	5	1 0	464	39·9	42·43	...	...
D	Ramsgill (Raygill House)	Engineer, Bradford, W.W.	5	1 0	925	46·7	48·06	168	154
D	Ramsgill	Engineer, Bradford, W.W.	5	1 0	450	42·1	46·34	179	160
M	Nidderdale (East Gill Head)	Engineer, Bradford, W.W.	5	1 0	1710	57·6	60·66	...	...
M	Nidderdale (Rain Stang)	Engineer, Bradford, W.W.	5	1 0	1470	47·4	52·74	...	...
M	Nidderdale (New Houses)	Engineer, Bradford, W.W.	5	1 0	755	45·8	50·73	...	...
D	Nidderdale (West Houses)	Engineer, Bradford, W.W.	5	1 0	1165	52·5	62·65	195	168
D	Scar House Reservoir	Engineer, Bradford, W.W.	5	1 0	1085	...	55·11	194	160
	12.—OUSE. Ure. 110 sq. mi.								
D	Burton Leonard	B. Coore, Esq.	5	1 0	290	...	27·11	180	129
	Dallow Moor (Harper Hill)	K. L. Forster, Esq., C.E.	8	0 9	819	...	43·39	181	159
D	Ripon (Grammar School)	Headmaster	5	1 0	150	...	28·68	181	130
	Kirkby Malzeard (Drovers' Inn)	K. L. Forster, Esq., C.E.	8	0 9	576	36·0	42·38	200	157
	Kirkby Malzeard (Hawsett)	K. L. Forster, Esq., C.E.	5	0 9	820	37·1	41·00	177	142
W	Kirkby Malzeard (Hambleton Hill)	K. L. Forster, Esq., C.E.	8	0 9	1106	39·7	44·53	...	...
D	Kirkby Malzeard (Arundo)	F. Scrivener, Esq.	5	1 0	450	...	(37·35)	...	...
	Kirkby Malzeard (Bagwith Brae)	K. L. Forster, Esq., C.E.	5	0 9	703	32·9	41·67	189	151
W	Kirkby M. (Stone & Ears Wham)	K. L. Forster, Esq., C.E.	8	0 9	1118	39·7	45·52	...	...
	EAST RIDING. (Area, 1,176 sq. mi.)								
	1.—OUSE. Left Bank Tributaries. 82 sq. mi.								
D	York (The Retreat)	The Secretary	5	1 0	60	...	24·34	169	122
D	York (Dunnington Hall)	Miss E. C. Hildyard	8	1 2	110	24·6	25·98	210	125

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	EAST RIDING—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—OUSE. Derwent. 248 sq. mi.								
D	Birdsall Gardens	Mr. J. Anderson	5	1 2	308	29·2	26·81	161	126
D	Rillington (Scampston Hall)	W. H. St. Quintin, Esq.	5	1 6	102	27·1	21·82	170	120
D	Ganton (Golf Club)	Secretary	5	1 2	100	...	23·69	159	109
D	Ganton (Ganton Hall)	E. W. Wrigley, Esq.	5	1 0	250	27·5	23·79	158	114
	3.—HUMBER. Left Bank Tributaries. 675 sq. mi.								
D	§SPURN HEAD (R.N. SIGNAL STN.)	Chief Officer (M.O.)	5	1 0	29	22·7	16·41	138	99
d	Patrington (Station Road)	A. Moser, Esq.	5	1 3	46	23·3	17·57	...	...
D	Patrington Rectory	Rev. P. R. Frost	5	1 0	50	...	18·56	152	102
D	Hessle (Westfield Rise)	Lieut. C. S. Sherwood	5	1 0	90	...	22·80	164	119
D	HULL (Pearson Park)	Gen. Superintendent	5	0 10	8	25·4	20·04	164	108
D	Hull (Springhead)	Hull Waterworks	5	1 0	16	25·5	19·66	154	111
D	Cottingham (Dunswell P.S.)	Hull Waterworks	5	1 0	6	...	20·85	155	113
D	Holme-on-Spalding Moor	Rev. W. L. Shepherd	8	1 0	30	25·9	18·90	167	108
D	Beverley (E. Riding Mental Hosp.)	Medical Superintendent	5	1 0	175	26·5	21·58	157	110
D	Beverley (Gas Works)	Engineer	5	1 0	21	...	20·31	153	109
D	Beverley (Hull Bridge)	R. Hull Catchment Bd.	5	2 6	11	24·9	21·27	155	129
D	Market Weighton (Dalton Holme)	D. F. Cullen, Esq.	8	6 6	120	27·3	25·40	158	131
d	Brandesburton (Hempholme Lock)	R. Hull Catchment Bd.	5	2 7	11	24·6	20·91	...	113
D	Hutton Cranswick (The Vicarage)	Rev. G. Storer	5	1 0	79	...	19·39	162	114
D	Driffield (Council School)	Headmaster	5	1 9	69	27·2	20·58	155	119
D	Lowthorpe (The Elms)	J. Tate, Esq.	5	1 0	63	26·5	22·51	171	120
D	Langtoft School	G. W. E. Ogden, Esq.	5	1 0	250	...	25·30	152	122
	4.—EAST COAST STREAMS. 171 sq. mi.								
D	Hornsea (Town Hall)	Hornsea U.D.C.	5	1 0	35	...	(18·65)	(146)	(106)
D	Bridlington (Corpn. Nurseries)	Parks Superintendent	5	1 0	60	25·6	21·78	173	123
D	Weaverthorpe (The School House)	H. Wilkinson, Esq.	5	1 0	270	...	26·46	166	126
M	Ganton (Willerby Wold)	Major W. F. Wormald	5	1 2	565	...	23·63	...	...
D	Filey (Pumping Station)	Filey U.D.C.	5	1 0	123	...	18·00	154	111
	NORTH RIDING. (Area, 2,155 sq. mi.).								
	1.—OUSE. Ure. 273 sq. mi.								
	Masham Moor (Arnagill Beck W.)	Water Engineer, Harrogate	5	1 0	1210	41·6	47·88	...	...
M	Masham Moor (Arnagill Beck E.)	Water Engineer, Harrogate	5	1 0	1150	39·5	46·19	...	...
	Masham Moor (Grey Ridge)	Water Engineer, Harrogate	5	1 0	1330	44·3	45·63	...	...
	Masham Moor (Low Ash Head)	Water Engineer, Harrogate	5	1 0	845	40·7	46·77	...	...
	Masham Moor (Agill Head)	Water Engineer, Harrogate	5	1 0	1380	43·4	48·65	...	...
D	West Tanfield Rectory	Rev. H. S. Broadbent	5	1 0	150	28·7	27·47	180	123
D	Masham Moor (Roundhill Res.)	Water Engineer, Harrogate	8	1 0	743	37·6	36·76	197	144
D	Roundhill Reservoir No. 2	Water Engineer, Harrogate	8	1 0	928	38·8	40·65	197	143
W	Masham Moor (High Sour Mire)	K. L. Forster, Esq., C.E.	5	0 9	884	...	42·35	...	...
	Masham Moor (Leighton Res.)	K. L. Forster, Esq., C.E.	5	0 9	634	35·9	41·29	...	...
	Masham Moor (Towler Hill)	K. L. Forster, Esq., C.E.	8	0 9	820	36·7	40·42	205	152
	Masham Moor (Healey Pasture)	K. L. Forster, Esq., C.E.	5	0 9	620	36·1	38·35	205	145
	Masham Moor (Low Houses)	K. L. Forster, Esq., C.E.	5	0 9	693	37·9	39·25	176	142
D	West Burton (Flanders Hall)	G. T. Whitehead, Esq.	5	2 6	485	...	40 18	195	167
D	Leyburn (Spennithorne)	F. M. Curtis, Esq., F.R.Met.S.	5	1 0	358	...	31 77	187	132
	Leyburn (Overdale)	A. Rowntree, Esq.	5	1 0	550	...	33·14	...	...
D	Askrigg (Yorebridge Gram. School)	F. E. Chevins, Esq.	5	1 0	670	...	43·38	174	159
D	Hawes Junction (Moorland Cottage)	W. Garnett, Esq.	5	1 6	1125	...	64·41	205	170

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	NORTH RIDING—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—OUSE. Swale. 569 sq. mi.								
d	Coxwold (The Old Hall)	L. Geipel, Esq.	5	1 6	260	26·1	26·47	...	125
d	Thirsk (Ashton House)	Mrs. F. E. Walker	5	1 6	112	...	22·62	...	...
D	Thirsk (Sowerby)	Mrs. M. Brown	5	1 0	110	24·7	22·76	146	113
D	Thirsk (South Villa)	B. Foggitt, Esq.	5	1 0	115	24·7	22·64	170	115
M	Felixkirk (Thirlby)	A. J. Walker, Esq.	5	1 0	338	27·1	23·55	...	...
D	Felixkirk (Mount St. John)	(+A) A. J. Walker, Esq.	5	1 0	540	26·5	25·38	186	124
M	Boltby, East	A. J. Walker, Esq.	5	1 0	459	26·2	27·81	...	...
D	LEEMING	(+A) Meteorological Office	8	1 0	175	...	24·06	179	103
d	Maunby Hall	Major A. Hill-Walker, V.C.	5	1 0	90	23·9	22·62	...	104
D	Scruton Hall	A. Coore, Esq.	5	1 0	100	23·8	23·56	188	112
D	Swaledale (Gunnerside Lodge)	The Rt. Hon. Lord Peel	5	1 0	900	47·8	46·61	192	157
	Osmotherly (Oakdale W.W.)	Northallerton U.D.C.	5	1 0	600	28·3	25·64	...	...
D	East Harlsey (Harlsey Hall)	Mrs. Constantine	5	1 0	370	...	21·73	166	120
d	Richmond (C.E. School)	R. Hornby, Esq.	5	1 0	420	...	28·59	156	105
	3.—OUSE. Left Bank Tributaries. 153 sq. mi.								
D	YORK (Museum)	Yorks. Phil. Soc. (Dr. W. L. Collinge)	5	1 0	57	24·3	24·25	183	123
	4.—OUSE. Derwent. 509 sq. mi.								
D	Welburn	R. Child, Esq.	5	1 0	200	26·1	25·33	192	147
D	Malton (Swinton Grange)	R. Wilson, Esq.	5	0 10	200	...	23·46	168	129
D	Malton (Broughton Road)	C. C. Laverack, Esq.	5	1 0	152	25·5	21·80	165	121
D	Hovingham Hall	Capt. Sir W. A. Worsley, Bt.	5	0 9	119	29·0	24·72	148	115
D	AMPLEFORTH (ABBEY)	Rev. T. L. Jackson, O.S.B.	5	1 0	313	...	29·68	178	134
D	Oswaldkirk (Leyesthorpe Hall)	Major G. B. Foster	5	1 0	231	...	25·54	143	112
D	Nunnington Hall Gdns.	Head Gardener	5	1 0	110	...	23·45	123	110
D	Helmsley (Boys' School)	J. McManners, Esq.	5	1 0	225	...	28·32	173	136
D	Seamer (Irton Pumping Station)	H. V. Overfield, Esq., C.E.	5	1 0	94	28·7	22·42	152	117
D	Scarborough (Osgodby)	H. V. Overfield, Esq., C.E.	5	1 0	166	26·1	19·70	149	110
D	East Ayton (Derwent House)	A. H. Robinson, Esq.	5	1 4	110	27·0	24·27	177	130
D	Kirkby Moorside (Ravenswyke)	Lt.-Col. V. H. Holt, M.C., J.P.	5	1 0	270	27·2	24·94	154	118
M	Bransdale 7	Hull Waterworks	5	1 0	1021	...	34·88	...	...
D	Farndale (The Vicarage)	Hull Waterworks	8	1 0	495	...	33·21	145	122
M	Rosedale 16	Hull Waterworks	5	1 0	587	...	33·50	...	...
M	Rosedale 19	Hull Waterworks	5	1 0	599	...	33·03	...	...
M	Rosedale 17	Hull Waterworks	5	1 0	974	...	33·86	...	...
M	Rosedale 17A	Hull Waterworks	5	1 0	986	...	34·80	...	...
M	Bransdale 3	Hull Waterworks	5	1 0	739	...	35·02	...	...
M	Bransdale 4B	Hull Waterworks	5	1 0	1184	...	35·05	...	...
M	Farndale 9	Hull Waterworks	5	1 0	1015	...	36·75	...	...
M	Farndale 10	Hull Waterworks	5	1 0	574	...	(36·20)	...	...
M	Farndale 13	Hull Waterworks	5	1 0	1055	...	37·13	...	...
M	Rosedale 18	Hull Waterworks	5	1 0	1337	...	36·57	...	...
	5.—ESK & C. 278 sq. mi.								
D	SCARBOROUGH	(+A) Medical Officer of Health	5	1 1	118	25·8	19·78	168	122
D	Scarborough (Scalby)	Capt.SirW.H.L.Wordsworth	5	1 0	210	...	21·13	168	125
D	Danby (Botton Hall)	W. E. F. Macmillan, Esq.	5	1 0	720	...	36·64	201	145
D	Egton Bridge (Bridgeholme)	Mrs. Astley Smith	5	1 0	130	33·3	31·06	157	125
d	Sleights (The Hall)	P. M. Horsfall, Esq.	5	1 0	220	30·7	28·78	...	...
D	Danby Lodge	Head Gardener	5	1 0	500	35·6	34·24	164	138
D	Whitby (Park Hall, Aislaby)	Miss M. A. N. Richardson	5	1 0	500	30·7	29·28	168	120
D	WHITBY (Pannett Park)	Park Superintendent	8	1 0	130	...	22·43	176	115
D	Guisborough (Lockwood Res.)	Cleveland Water Co.	8	1 0	632	33·0	31·64	186	137
D	Guisborough (Grammar School)	J. H. Morgan, Esq.	5	1 0	330	...	25·09	143	109
d	Guisborough (Waterworks)	Guisborough Water Co., Ltd.	5	1 3	600	...	(26·90)	(146)	(120)
D	Saltburn (North Skelton Mine)	Messrs. Dorman, Long & Co.	5	1 0	304	...	25·45	158	115
D	REDCAR	Town Clerk	5	1 0	25	24·2	22·18	163	111

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	NORTH RIDING—(*contd.*).		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	6.—TEES. 373 sq. mi.								
D	Kildale Hall	Mrs. R. B. Turton	5	1	600	35·5	35·15	211	132
D	Crathorne Hall Gardens	Maj. Sir Thomas Dugdale	5	1	185	25·0	22·38	142	110
D	Barningham Park	Sir Frederick Millbank	8	1	750	32·6	36·50	216	130
D	Yarm (Worsall Hall)	Lt-Col. H. K. D. Evans	5	1	60	...	20·75	141	109
D	Nunthorpe (The Box)	G. D. Cochrane, Esq.	5	1	287	25·2	23·14	157	113
D	Middlesbrough (Albert Park)	H. C. Hildyard, Esq.	5	1	30	23·7	21·08	154	104
D	Middlesbrough (South Bank)	N. C. Harrison, Esq., C.E.	5	1	41	...	21·23	148	109
M	Baldersdale (Aygill)	T. S. R. Winter, Esq., C.E.	5	1	1250	49·5	55·60	...	...
D	Lartington Filters	T. S. R. Winter, Esq., C.E.	5	1	725	32·1	37·64	193	138
M	Baldersdale (Blackton Res.)	T. S. R. Winter, Esq., C.E.	5	1	937	40·9	47·70	...	...
M	Baldersdale (Balderhead)	T. S. R. Winter, Esq., C.E.	5	1	1320	45·7	54·00	...	...
D	Baldersdale (Hury Res.) *old g. site*	T. S. R. Winter, Esq., C.E.	5	1	856	36·0	42·08	206	152
D	Baldersdale (Hury Res.) *new g. site*	T. S. R. Winter, Esq., C.E.	5	1	862	37·3	42·81	206	152
M	Lunedale (Dow Crag)	T. S. R. Winter, Esq., C.E.	5	1	1720	57·6	61·10	...	...
M	Lunedale (Lunehead)	T. S. R. Winter, Esq., C.E.	5	1	1450	55·0	60·20	...	...
M	Lunedale (Selset)	T. S. R. Winter, Esq., C.E.	5	1	924	40·3	47·20	...	...
D	Lunedale (Grassholme Res.)	T. S. R. Winter, Esq., C.E.	5	1	936	38·6	44·28	203	156
M	Lunedale (Keekham)	T. S. R. Winter, Esq., C.E.	5	1	1660	62·1	65·40	...	...
M	Lunedale (Hargill)	T. S. R. Winter, Esq., C.E.	5	1	1320	52·6	58·30	...	...

DIVISION X—NORTHERN COUNTIES

	DURHAM. (Area, 1,011 sq. mi.)								
	1.—TEES & C. 396 sq. mi.								
D	Darlington (South Park)	T. J. Morrison, Esq.	5	1	150	27·1	22·76	191	114
D	Darlington Waterworks (+A)	Borough Surveyor	5	1	161	...	21·56	165	106
D	Darlington (Broken Scar)	T. S. R. Winter, Esq., C.E.	5	1	158	26·2	24·92	176	124
D	Darlington (Fighting Cocks Res.)	T. S. R. Winter, Esq., C.E.	5	1	150	25·2	22·16	159	112
D	Egglescliffe	Walter Jones, Esq.	8	1	2	100	24·0	22·95	158
D	Barnard Castle (Bowes Museum)	T. Wake, Esq.	6	1	0	500	30·4	33·98	193
D	Barnard Castle (County School)	Bursar	5	1	5	550	29·1	34·11	175
D	Long Newton Reservoir	T. S. R. Winter, Esq., C.E.	5	0	0	184	25·5	24·14	160
d	Stockton-on-Tees (Ropner Park)	Park Curator	5	0	10	61	22·9	23·40	...
D	Stockton-on-Tees (Billingham) (+A)	Imperial Chem. Indust., Ltd.	5	1	6	35	23·3	21·56	153
D	Stillington Park	A. Kendall, Esq.	5	1	0	140	27·1	24·48	140
d	Eggleston (Wood Hill)	E. A. Smith, Esq.	5	1	0	1000	34·2	38·40	(204)
D	Middleton-in-Teesdale (Newbiggin)	B. Jackson, Esq.	5	1	0	1000	44·2	47·90	203
D	Embleton (Crookfoot Res.)	J. R. Bradshaw, Esq.	8	1	0	293	25·4	22·09	193
D	West Hartlepool (Waterworks)	J. R. Bradshaw, Esq.	10	1	0	35	24·7	21·71	184
D	Hurworth Burn Reservoir	J. R. Bradshaw, Esq.	8	1	0	357	26·5	24·12	180
D	Hartlepool (Hart Reservoir)	J. R. Bradshaw, Esq.	8	1	0	172	...	20·92	185
D	Shotton (New Winning P.S.)	A. B. E. Blackburn, Esq., C.E.	8	1	0	402	29·4	24·30	192
D	Easington (Mill Hill Res.)	A. B. E. Blackburn, Esq., C.E.	8	1	0	521	...	21·97	188
D	Seaham (Dalton Pumping Stn.)	A. B. E. Blackburn, Esq., C.E.	8	1	0	345	27·0	23·12	184
	2.—WEAR. 464 sq. mi.								
D	Wolsingham (Shull)	Mrs. W. A. Mounsey	5	1	0	600	...	33·54	197
d	Stanhope (Parson Byers Quarry)	Dorman, Long & Co., Ltd.	5	1	3	860	31·7	37·77	...
M	Burnhope (Grass Meres)	J. A. Rodwell, Esq., C.E.	5	1	3	1850	59·1	(58·20)	...
M	Burnhope (Lodgegill Mine)	J. A. Rodwell, Esq., C.E.	5	1	3	1950	61·4	(59·80)	...
D	Burnhope Reservoir	J. A. Rodwell, Esq., C.E.	8	1	0	1165	...	55·75	216
D	Durham (HOUGHALL Hort. Station)	Director of Agriculture	5	1	0	160	26·4	26·49	167
D	DURHAM (University Obsy.) (+A)	Director	8	1	0	336	24·6	24·52	174
D	Weardale W.W. (Tunstall Res.)	J. A. Rodwell, Esq., C.E.	8	1	2	724	32·4	37·05	194

DIVISION X—NORTHERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	DURHAM—(*contd.*).		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	2.—WEAR—(*contd.*).								
D	USHAW COLLEGE	Principal	5	1	0 594	28·2	28·01	171	125
M	Weardale W.W. (Waskerley 6)	J. A. Rodwell, Esq., C.E.	8	1	0 1229	...	(40·96)	...	...
M	Weardale W.W. (Waskerley 3)	J. A. Rodwell, Esq., C.E.	8	1	0 1433	...	(42·33)	...	...
D	Weardale W.W. (Waskerley)	J. A. Rodwell, Esq., C.E.	8	1	0 1179	33·1	39·44	208	158
M	Weardale W.W. (Waskerley 1)	J. A. Rodwell, Esq., C.E.	8	1	0 1317	...	(41·42)	...	...
D	Lanchester (Malton Colliery)	J. Reay, Esq.	5	1	3 395	...	32·08	159	122
D	Lanchester (Craigmore)	Basil Sadler, Esq.	5	1	0 400	...	31·33	171	129
D	Consett (Crookhall Sewage Works)	T. Hutton, Esq.	5	1	0 700	...	32·75	183	134
D	Consett (Stockley House)	Mrs. J. Shackleton	5	1	6 642	...	(32·87)	169	126
d	Annfield Plain	Basil Sadler, Esq.	5	1	0 760	...	34·24	...	114
D	South Moor (Colliery Office)	Basil Sadler, Esq.	5	1	0 616	...	32·87	163	128
D	Ryhope Pumping Station	A. B. E. Blackburn, Esq., C.E.	8	1	1 228	25·4	23·02	199	110
M	Washington (Glebe Mod. School)	A. Robson, Esq.	5	1	2 160	...	23·90	...	...
D	Sunderland (West Hendon House)	Mrs. W. A. Mounsey	5	1	0 130	25·6	24·63	151	116
D	Sunderland (Mowbray Park)	Medical Officer of Health	5	1	0 105	25·6	24·06	159	109
	3.—TYNE. LOWER. 151 sq. mi.								
D	Weardale W.W. (Hisehope Res.)	J. A. Rodwell, Esq., C.E.	5	1	0 1450	...	40·68	213	157
D	Weardale W.W. (Smiddy Shaw)	J. A. Rodwell, Esq., C.E.	8	1	3 1128	34·1	40·51	208	166
d	Hunstanworth (School House)	Headmaster	5	1	0 1200	...	44·44	...	...
D	Westwood Sewage Works	T. Hutton, Esq.	5	0	8 255	...	32·51	183	131
d	Ebchester (Blackhall Mill School)	Headmaster	5	0	8 150	...	32·50	...	...
D	Rowlands Gill (Chopwellwood)	Forestry Commission	8	1	0 446	28·7	31·12	186	144
D	Sunderland (Cleadon Pumping Stn.)	A. B. E. Blackburn, Esq., C.E.	8	1	0 216	24·4	24·07	195	120
D	South Shields (Bents Park)	Dr. W. Campbell Lyons	5	1	0 36	24·2	26·53	195	143
D	South Shields (South Pier Works)	Tyne Improvement Commis.	5	1	0 17	...	23·66	199	123
	NORTHUMBERLAND. (Area, 2,015 sq. mi.)								
	1.—EDEN. 20 sq. mi.								
	2.—SOUTH TYNE. 232 sq. mi.								
D	Allenheads	R. Hepple, Esq.	5	1	5 1350	...	51·98	243	179
D	Haydon Bridge (Shaftoe Trust Sch.)	Headmaster	5	0	9 240	...	33·67	171	133
	3.—TYNE. LOWER. 227 sq. mi.								
D	Newcastle (Leazes Park)	City Engineer	5	1	0 255	26·4	25·48	182	114
D	Throckley Filters	Newcastle & Gatesh'd W. Co.	5	1	1 300	...	26·40	204	138
D	Hexham (Ridgway-on-Yarridge)	R. W. Gregory, Esq.	5	1	1 650	...	30·70	186	130
D	Hexham Reservoir	Hexham U.D.C.	5	1	0 330	...	30·03	191	135
d	Hexham (Widehaugh Nursery)	Forestry Commission	5	0	11 120	...	28·57	...	...
d	Tynemouth (Tyne Pier Works)	Tyne Improvement Commis.	5	1	0 54	25·1	23·95	...	...
D	TYNEMOUTH (C.G. Station)	Station Officer (M.O.)	8	1	0 108	24·5	23·21	172	116
D	Whittle Dene Filters	Newcastle & Gatesh'd W. Co.	5	1	1 353	26·6	28·41	195	125
D	Whittle Dene Reservoir	Newcastle & Gatesh'd W. Co.	5	1	0 380	25·3	29·43	202	125
	4.—NORTH TYNE. 433 sq. mi.								
d	Barrasford	Newcastle & Gatesh'd W. Co.	8	1	0 207	...	29·87	210	133
M	Ryal Cottage	Newcastle & Gatesh'd W. Co.	5	0	9 463	29·1	28·62	...	...
M	Hallington Village	Newcastle & Gatesh'd W. Co.	5	1	0 467	29·9	29·61	...	...
D	Hallington Reservoir	Newcastle & Gatesh'd W. Co.	5	1	0 470	29·3	29·07	196	134
M	Hallington (Fawcett)	Newcastle & Gatesh'd W. Co.	5	1	2 537	28·2	29·73	...	...
M	Hallington (Cheviott)	Newcastle & Gatesh'd W. Co.	5	1	2 576	27·8	29·95	...	...
M	Camphill	Newcastle & Gatesh'd W. Co.	5	1	0 450	29·4	32·29	...	...
D	Colt Crag Reservoir	Newcastle & Gatesh'd W. Co.	5	1	0 654	*29·3*	32·80	207	168
M	Green Crag	Newcastle & Gatesh'd W. Co.	5	1	0 900	30·4	34·38	...	...

DIVISION X—NORTHERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	NORTHUMBERLAND—(*contd*).			*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	4.—NORTH TYNE—(*contd.*).									
D	BELLINGHAM (Highgreen)	...	Sir Charles Morrison-Bell ...	5	1 0	849	35·4	35·40	224	152
d	Kielder (Viaduct Lodge)	...	Forestry Commission ...	5	1 7	610	...	52·16	...	...
d	§Kielder (Ridge End)	...	Newcastle & Gatesh'd W. Co.	5	1 0	851	...	50·41	...	...
d	§Kielder (Kielder Head)	...	Newcastle & Gatesh'd W. Co.	5	1 0	807	...	48·69	...	...
M	§Kielder (Oh Me Edge)	...	Newcastle & Gatesh'd W. Co.	8	1 0	1480	...	50·01	...	...
M	§Kielder (Carry Burn)	...	Newcastle & Gatesh'd W. Co.	5	1 0	1043	...	48·09	...	...
M	§Kielder (Little Gunn's Cleugh)		Newcastle & Gatesh'd W. Co.	8	1 0	1110	...	48·14	...	...
M	§Redewater (Countess Crag)	...	Newcastle & Gatesh'd W. Co.	5	1 0	1600	...	46·30?	...	...
M	Redewater (Chattlehope)	...	Newcastle & Gatesh'd W. Co.	5	1 0	1100	...	48·16	...	...
D	Redewater (Catcleugh)	...	Newcastle & Gatesh'd W. Co.	5	1 0	819	...	42·26	240	179
W	§Redewater (Game Park)	...	Newcastle & Gatesh'd W. Co.	5	1 0	900	...	49·30	...	...
	§Redewater (Black Cleugh)	...	Newcastle & Gatesh'd W. Co.	5	1 0	1050	...	46·30	...	...
	5.—COQUET & C. 840 sq. mi.									
M	Whittington	...	Newcastle & Gatesh'd W. Co.	8	1 0	528	28·1	28·47	...	...
M	Burnside	...	Newcastle & Gatesh'd W. Co.	8	1 0	528	27·2	28·49	...	...
D	Whitley Bay (Marden House)		R. J. Oliver, Esq. ...	5	1 0	100	...	24·15	214	129
D	Kirkwhelpington	...	J. Wardle, Esq. ...	5	1 3	581	...	34·11	174	137
D	Morpeth (COCKLE PARK)	...	North'land County Council	5	1 0	325	28·7	28·35	208	125
D	Morpeth (Tritlington School)		J. E. Archbold, Esq. ...	5	0 8	250	...	27·95	170	123
D	Font Res. (Tynemouth W.W.)		C. F. J. Lisle, Esq., B.Sc. ...	10	1 2	620	31·1	33·91	199	153
D	ACKLINGTON (Airfield)	... (+A)	Meteorological Office ...	5	1 0	138	...	25·32	173	155
d	Amble	...	Amble U.D.C. ...	5	1 0	12	...	(24·48)	...	...
D	Callaly Castle Gardens	...	G. Milne, Esq. ...	5	1 4	350	...	33·26	189	142
D	Cheviot Hills (Carshope)	...	N'land Rivers Catch. Bd. ...	5	1 0	904	...	35·72	191	155
D	Howick Hall Gardens	...	The Rt. Hon. Earl Grey ...	8	1 0	110	28·2	29·35	207	134
D	Stamford	...	W. Robertson, Esq. ...	5	1 0	175	...	29·54	201	142
D	Doxford Hall	...	Rt. Hon. Viscount Runciman	5	1 0	175	...	29·89	177	130
D	Chathill (Preston Tower)	...	H. Baker Cresswell, Esq.	8	1 0	140	28·3	28·43	173	139
D	Belford (Newlands)	...	C. H. Sanderson, Esq. ...	5	4 8	160	...	23·42	190	123
	6.—TWEED. 262 sq. mi.									
D	Cheviot Hills (Linhope)	...	N'land Rivers Catch. Bd. ...	5	1 0	600	...	40·13	207	160
D	Ilderton (Lilburn Tower Gdns.)		Mr. C. Lovett ...	5	1 0	250	30·4	32·58	171	138
D	Cornhill (Pallinsburn)	...	Mrs. A. Turnbull ...	5	1 0	135	...	26·44	123	109
D	BERWICK-ON-TWEED (Ramparts)		Borough Surveyor ...	5	1 0	76	23·4	21·64	173	128
	7.—INSULAR. 1 sq. mi.									
	CUMBERLAND. (Area, 1,516 sq. mi.)									
	1.—EDEN & SOLWAY. 887 sq. mi.									
D	Watermillock (Lake View)	...	T. Slee, Esq.... ...	5	0 8	560	...	56·18	200	159
D	Penrith (Hutton John)	...	F. Hudleston, Esq., C.E. ...	5	1 0	688	45·1	44·20	(180)	(133)
d	Penruddock (Council School)		Headmaster ...	5	1 6	850	...	46·86	...	...
W	Threlkeld (Skiddaw House)	...	J. Thompson, Esq. ...	5	1 6	1480	78·0	60·30	...	...
D	Penrith (Arthur Street)	...	A. B. Sinclair, Esq. ...	5	1 0	500	36·4	33·32	191	128
D	Penrith (NEWTON RIGG)	...	Cumberland County Council	5	1 0	560	36·4	36·25	182	133
D	Uldale (Chapel House Res.)	...	J. R. Watters, Esq. ...	8	1 0	620	46·2	48·33	203	(172)
D	Penrith (Great Salkeld)	...	Rev. G. A. K. Hervey ...	5	1 0	350	...	28·35	196	129
D	Troutbeck (Wellbank)	...	Miss R. A. S. Streatfield ...	5	1 0	800	...	58·83	191	159
D	Caldbeck (Upton School)	...	F. Stanger, Esq. ...	5	1 0	520	*44·5*	42·89	183	147
D	Renwick	...	R. Eden Catchment Board	5	1 0	712	...	33·16	222	157

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	CUMBERLAND—(*contd.*).			*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	1.—EDEN & SOLWAY—(*contd.*).									
D	Wigton (Brookfield)		J. Carruthers, Esq., B.A.,B.Sc.	5	1 0	124	36·7	31·43	155	121
d	Wreay Vicarage		Rev. J. Sanderson	5	1 0	300	31·5	(29·85)	...	...
M	Carlisle (Blackwell)		H. Shepherd, Esq.	5	1 0	185	...	29·43	...	...
D	Silloth		Wigton R.D.C.	5	1 0	27	*34·2*	33·06	187	133
D	Geltsdale		P. Dalton, Esq., C.E.	5	1 2	778	36·8	34·74	193	153
D	Carlisle (Spital Cemetery)		Superintendent	8	1 0	114	31·8	28·27	185	126
	Carlisle (Denton Holme)		E. J. M. Lawson, Esq.	5	1 0	57	30·1	27·31	...	...
D	Carlisle (Rose Hill)		H. Lonsdale, Esq.	8	1 3	105	...	30·34	181	139
D	Carlisle (Sewage Works)		P. Dalton, Esq.	5	1 0	39	...	27·76	185	128
D	CARLISLE (Kingstown Airport)	(+A)	Meteorological Office	5	1 0	88	...	26·93	174	120
D	Longtown (C.A.D.)		Officer in Charge	5	1 10	25	...	30·59	149	128
d	Bewcastle (Stockastead)		Border R.D.C.	5	1 0	750	*47·5*	40·12	...	...
	2.—DERWENT. 257 sq. in.									
M	Sprinkling Tarn		F. Bainbridge, Esq., for M.O.	5	1 6	1985	*151·8*	(141·50)	...	...
M	Styehead Tarn		F. Bainbridge, Esq., for M.O.	5	1 0	1472	*145·8*	(132·45)	...	...
M	Styehead A.		F. Bainbridge, Esq., for M.O.	5	1 0	1070	*139·8*	(124·10)	...	...
M	Borrowdale (Stockley Bridge)		F. Bainbridge, Esq., for M.O.	5	1 0	585	*130·9*	118·00	...	...
M	Borrowdale (Seathwaite)		F. Bainbridge, Esq., for M.O.	5	1 0	423	...	106·50		
M	Helvellyn (Hill Top Gill)		Manchester Corpn. W.W.	5	1 0	1050	...	91·07	...	...
M	§Ullscarf		Manchester Corpn. W.W.	5	1 0	2100	119·8	(112·31)	...	...
M	Wythburn		Manchester Corpn. W.W.	5	1· 0	610	96·8	91·43	...	...
M	Helvellyn (Brown Rigg)		Manchester Corpn. W.W.	5	1 0	1450	*112·0*	108·27	...	...
d	Borrowdale (The Moraine)		W. Bonstead, Esq.	5	1 0	330	*97·5*	88·16	...	...
D	Watendlath Farm		W. Tyson, Esq., for M.O.	5	1 0	800	*88·5*	78·64	173	154
D	§Thirlmere (Dale Head Hall)		Manchester Corpn. W.W.	5	1 0	620	86·7	84·57	256	186
D	Grange-in-Borrowdale (Bield)		J. E. Bowes, Esq.	5	1 6	300	...	80·25	209	161
D	Keswick (Lingholm Gardens)		W. Brown, Esq.	5	1 0	300	65·7	67·59	190	149
D	Keswick (Derwent Island)		Denis Marshall, Esq.	5	1 0	290	57·0	54·83	213	160
D	KESWICK (High Hill)		Clerk to the U.D.C.	5	1 0	254	54·9	55·08	182	152
D	Braithwaite (Blackwood)		C. Barnes, Esq.	8	1 0	400	*60·3*	62·33	195	151
d	Keswick (Mirehouse)		Miss Spedding	5	1 6	280	49·8	47·57	...	127
D	Workington (Stainburn Res.)		Borough Surveyor	5	1 0	180	36·9	37·13	175	137
D	Cockermouth (South Lodge)		Capt. J. Upton Armstrong	5	1 0	242	...	37·87	202	139
D	Bassenthwaite (Higham)		Miss E. Fisher	5	1 0	500	44·9	42·70	194	149
	3.—WEST COAST STREAMS. 235 sq. mi.									
D	Ravenglass (The Grove)		G. T. A. Ogilvie, Esq.	5	1 0	70	42·5	37·91	182	152
d	Gosforth (Netherwasdale)		J. M. Sewell, Esq.	5	1 0	180	...	45·93	173	161
D	Braystones		H. H. Watson, Esq.	5	1 0	36	37·5	36·13	180	155
M	Beckermet (Bankfield)		J. R. Atkinson, Esq.	5	1 0	132	...	(34·18)	...	...
D	St. Bees (Fern Bank)		Lt.-Col. G. Dixon	5	1 6	60	42·7	39·08	(188)	(155)
M	Ennerdale (Gillerthwaite)		H. H. Watson, Esq.	5	1 0	445	...	79·00	...	...
D	Whitehaven (Stanley Pond)		National Coal Board	5	1 6	45	47·5	37·18	188	141
D	St. Bees Head (Lighthouse)	(+A)	Principal Keeper	...	... ...	400	...	35·24	174	140
	4.—DUDDON & C. 50 sq. mi.									
D	§Ulpha		Engineer, Barrow	5	1 0	251	...	70·08	222	173
	5.—SOUTH TYNE. 87 sq. mi.									
D	Alston Vicarage		Rev. N. A. Walton	5	1 0	940	*44·7*	43·85	200	154

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	WESTMORLAND. (Area, 783 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—EDEN. 373 sq. mi.								
D	Kirkby Stephen (Eden Place)	Miss Marcia Mason	5	1 0	544	42·3	40·77	185	126
	§Wasdale Pike	Manchester Corpn. W.W.	5	1 0	1825	79·4	80·06	...	...
M	§Mosedale (Artle Crag)	Manchester Corpn. W.W.	5	1 0	2134	...	(99·51)	...	...
	Wet Sleddale (Mirethwaite)	Manchester Corpn. W.W.	5	1 0	995	64·7	70·03	...	...
M	§Blea Water	Manchester Corpn. W.W.	5	1 0	1400	*104·0*	(88·69)?	...	...
	§Shap (Birkbeck Fell)	Manchester Corpn. W.W.	5	1 0	935	56·0	56·76	...	...
	Swindale Parsonage	Manchester Corpn. W.W.	5	1 0	875	*70·0*	66·89	...	...
	§Mardale (Whelter)	Manchester Corpn. W.W.	5	1 0	819	...	(85·63)	...	...
	Shap (Thornship Gill)	Manchester Corpn. W.W.	5	1 0	844	57·3	60·40	...	...
	§Mardale (Guerness)	Manchester Corpn. W.W.	5	1 0	905	...	74·98	...	...
	§Shap (Tailbert Head)	Manchester Corpn. W.W.	5	1 0	1100	55·6	58·00	220	173
M	§Hawes Water (Wallow Crag)	Manchester Corpn. W.W.	5	1 0	1412	72·1	(74·43)	...	...
M	Hawes Water (Naddle House)	Manchester Corpn. W.W.	5	1 0	825	60·5	(66·21)	...	...
	Hawes Water (Sandhills)	Manchester Corpn. W.W.	...	... ...	824	69·6	69·11	...	...
d	Crosby Ravensworth	R. Eden Catchment Board	5	1 0	612	...	46·55	...	...
D	§Hawes Water (Burn Banks)	Manchester Corpn. W.W.	5	1 0	835	*65·0*	67·67	222	163
D	Patterdale Hall	F. C. Scott, Esq.	5	1 3	490	86·7	89·70	194	157
d	Patterdale (Greenside Mine)	Basinghall Mining Synd. Ltd.	5	0 9	1081	91·9	88·02	...	...
M	§Bampton (Sealhole Grain) B.	Manchester Corpn. W.W.	5	1 0	1750	...	(73·21)	...	...
	Bampton (Stanegarth)	Manchester Corpn. W.W.	5	1 0	913	59·5	60·71	...	...
M	Cawdale Beck (Howe Grain)	Manchester Corpn. W.W.	5	1 0	1642	*67·6*	70·50	...	...
	Heltondale (Kidmoor)	Manchester Corpn. W.W.	5	1 0	1043	...	62·44	...	...
	Appleby (Bongate Cross)	E. H. Illingworth, Esq.	5	1 0	543	...	31·85	...	...
d	Penrith (Lowther Castle)	Mr. J. Jeffrey	5	1 0	750	41·8	40·17	157	129
d	Penrith (Barton House)	Mrs. Legh Tolson	5	1 0	500	42·4	38·21	195	148
d	Temple Sowerby	R. Eden Catchment Board	5	1 0	355	...	29·70	178	111
	2.—LEVEN. 60 sq. mi.								
D	Windermere (Holehird)	H. L. Groves, Esq.	5	1 0	483	68·0	58·36	213	166
D	Windermere (Brockhole)	C. Bateman, Esq.	5	0 8	175	66·3	60·99	197	154
D	Windermere (Briery Close)	Mrs. E. L. Hedley	5	1 0	325	...	61·32	206	163
D	Troutbeck (Yew Tree Cottage)	B. L. Thompson, Esq.	5	0 10	550	...	65·73	218	165
D	AMBLESIDE (The Lakes) (U.D.C.)	Clerk to the Council	5	1 0	145	*66·8*	69·24	199	163
D	Ambleside (Market Square)	G. A. Johnston, Esq., M.D.	5	1 0	180	75·1	74·10	199	184
D	Rydal (High Close)	F. E. T. Jones Balme, Esq.	8	0 9	553	83·3	79·72	198	166
D	Rydal (The Hall)	R. E. Porter, Esq.	5	1 0	354	82·1	77·22	211	173
D	Grasmere (Meadow Brow)	J. Abbott, Esq.	5	1 0	350	...	84·63	215	182
	3.—KENT. 188 sq. mi.								
D	Heversham (Plumtree Hall)	Miss Lilian Watson	5	1 0	120	45·7	38·29	192	155
D	Levens (Beathwaite)	Robert Bush, Esq.	5	1 0	105	*46·8*	44·16	177	154
d	Killington Reservoir	British Railways	5	1 0	670	*49·8*	55·59	...	...
D	Kendal (Crosthwaite, Low Fell)	Norman F. Wilson, Esq.	5	0 8	200	...	48·31	192	153
D	Kendal Gasworks	Borough of Kendal	5	1 3	146	*48·2*	43·95	178	149
D	Kendal (Fisher Tarn Res.)	Borough of Kendal	5	1 0	742	*51·7*	48·80	189	153
D	Kendal (Ellergreen)	J. W. Cropper, Esq.	5	1 6	270	58·2	54·76	216	167
D	Kendal (Kent Lea)	R. J. Cragghill, Esq.	5	1 0	165	*53·2*	49·08	195	155
d	Kendal (Potter Fell)	Messrs. J. Cropper & Co. Ltd.	5	2 0	750	70·6	65·03	...	...
M	Troutbeck (Dubbs Reservoir)	J. N. Leckie, Esq.	5	1 3	745	...	61·64	...	...
	4.—LUNE. 122 sq. mi.								
D	Kirkby Lonsdale (Stoop Lane)	Mrs. H. E. Hollins	5	2 0	205	*46·0*	46·17	196	150
	5.—TEES. 40 sq. mi.								
	Lunedale (Conny Pot)	T. S. R. Winter, Esq., C.E.	5	1 0	1840	...	60·60	...	...

§ Turf wall round gauge.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	MONMOUTH. (Area, 534 sq. mi.)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	1.—RHYMNEY. 39 sq. mi.								
d	Machen (Machen Quarry)	Machen Quarries, Ltd.	5	2	250	...	43·90	180	142
	2.—EBBW. 88 sq. mi.								
D	Rogerstone (Newport Golf Links)	W. H. Halsey, Esq.	5	0	304	...	44·41	174	136
D	Abercarn (Nantydraenog Res.)	W. Cory Goddard, Esq., C.E.	5	1	715	...	49·39	160	143
D	Blackwood	D. H. Price, Esq.	5	0	630	...	51·05	198	156
D	Abertillery (The Park)	Medical Officer of Health	5	0	600	57·2	51·98	190	159
D	Tredegar (Poplar Road)	S. L. Filer, Esq.	5	1	963	...	54·86	183	157
d	Tredegar Laboratory	National Coal Board	5	2	950	...	54·86	...	...
D	Ebbw Vale (Iron Works)	Richard Thomas & Baldwins	8	1	902	...	54·48	206	163
D	Ebbw Vale W.W. (Carno S.)	J. Grafton Hoskins, Esq., C.E.	5	1	1262	...	56·30	201	161
d	Beaufort (Blaen-y-cwm Res.)	Richard Thomas & Baldwins	8	1	1340	...	55·34	...	...
	3.—USK & C. 290 sq. mi.								
d	Magor	R. T. Cooke, Esq., C.E.	5	1	35	...	31·25	...	...
D	Portskewett (Sudbrook)	Divisional Engineer	8	1	51	...	30·23	152	112
D	NEWPORT (Hospital)	Medical Officer of Health	8	1	265	...	41·07	196	147
D	Newport W.W. (Friar St. Yard)	Newport Corporation	5	6	32	...	36·19	160	127
D	Newport W.W. (Ynis-y-fro Res.)	Newport Corporation	5	1	130	...	34·73	167	130
D	Newport W.W. (Pant-yr-eos Res.)	Newport Corporation	5	1	485	...	46·88	201	154
D	Newport W.W. (Llanvaches)	Newport Corporation	5	0	456	...	33·39	181	131
D	Newport W.W. (Nantypridd)	Newport Corporation	5	1	500	...	37·34	182	140
d	Chepstow (Itton Court)	Lady Curre	5	1	390	...	37·67	...	...
D	Newport W.W. (Newchurch)	Newport Corporation	5	1	550	...	36·12	182	141
D	USK	Monmouth Agric. Institute	5	1	70	...	39·13	183	137
D	Goytre (Goytre Hall)	Mrs. L. Whitehead, O.B.E.	5	1	300	46·1	43·19	173	139
d	Blaenavon (Estate Office)	Estate Agent	8	1	1144	55·1	49·26	...	...
d	Abergavenny (Penpergwm)	Lt.-Col. G. Reynolds	5	1	185	...	(40·12)	...	...
D	Abergavenny (Plas Derwen)	Alan Whitehead, Esq.	5	1	200	...	41·83	187	133
D	Abergavenny (Ty-Clyd)	F. D. Llewelyn, Esq.	5	1	272	45·1	44·07	176	132
d	Abergavenny (Richmond Road)	Miss E. A. Edmunds	8	1	256	40·6	39·51	165	132
D	Abergavenny (Larchfield)	Medical Superintendent	5	1	240	37·5	37·09	167	126
D	Grwyne Fawr (Coed Dias)	Miss Baker-Gabb	5	1	950	...	43·47	197	154
	4.—WYE. 117 sq. mi.								
D	Monmouth (Cornwall House)	P. G. Harvey, Esq., M.D.	5	0	55	...	27·73	151	121
D	Skenfrith	W. J. Hamer, Esq.*	5	1	140	...	31·77	167	128
D	Trewyn	Mrs. C. C. Molyneux	5	0	500	...	41·12	170	140
D	Grosmont	Miss D. K. Estcourt	5	1	420	...	37·43	172	140
	GLAMORGAN. (Area, 808 sq. mi.).								
	1.—LOUGHOR. 55 sq. mi.								
D	Felindre (Blaennant-Ddu) N.	T. Price, Esq., C.E.	5	1	412	...	54·44	200	161
D	Felindre (Lower Lliw Res) (+A)	T. Price, Esq., C.E.	8	1	416	...	55·28	207	160
	2.—GOWER PENINSULA. 62 sq. mi.								
D	Gower (Penrice Castle)	Major B. C. Smartt	5	2	20	...	40·01	197	148
D	Penmaen (Cefn Mor)	Mrs. R. A. Bostock	5	1	300	41·5	38·83	168	147
D	FAIRWOOD COMMON (+A)	Meteorological Office	5	1	268	...	41·30	183	147
	3.—TAWE. 47 sq. mi.								
D	SWANSEA (Victoria Park) (+A)	Town Clerk	8	1	32	...	36·52	183	143
D	Clydach (Wernfadog)	C. G. Bellingham, Esq.	8	1	400	...	50·55	217	169
d	Clydach	Mond Nickel Co., Ltd.	5	1	78	...	45·83	212	164
D	Ystalyfera (Wern House)	Miss L. Williams	5	1	240	64·8	58·67	193	159

* *Per* River Wye Catchment Board.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with .01 in. or more	1947 Days with .04 in. or more
	GLAMORGAN—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—NEATH. 82 sq. mi.								
D	Briton Ferry (Cefn Court)	Borough Engineer, Neath	5	1 0	503	47·7	42·82	189	157
D	Neath (Oil Refineries)	National Oil Refineries, Ltd.	5	1 0	145	...	43·71	172	148
D	Neath (Cimla Reservoir)	Borough Engineer	5	1 0	360	...	43·49	184	153
D	Neath (Gnoll Reservoir)	Borough Engineer	5	1 0	204	52·1	42·80	187	150
D	Neath (Brynteg)	H. P. Lloyd, Esq.	5	0 9	100	...	45·49	191	157
D	Neath (Glynfelin)	T. Gibbins, Esq.	5	1 4	180	...	47·93	192	156
D	Rhondda W.W. (Llyn Fawr Res.) *old g.*	Elwyn Jones, Esq.	8	1 0	1220	88·6	85·72	199	170
D	Rhondda W.W.(Llyn Fawr Res.) *new g.*	Elwyn Jones, Esq.	5	1 0	1220	...	85·19	199	170
D	Resolven (Brynawelan)	Forestry Commission	5	1 0	250	...	55·64	199	160
	5.—OGMORE & C. 350 sq. mi.								
D	St. Athan	H. Thomas, Esq.	5	1 0	50	...	34·36	160	152
d	Lower Penarth	Surveyor	5	1 0	66	34·9	33·14	166	131
D	Penarth (West House)	Surveyor	5	1 0	148	37·1	34·27	159	132
D	Dunraven Castle	Dunraven Estates Co. Ltd.	5	1 0	71	...	30·74	123	115
D	Cardiff (Cogan Pumping Station)	G. W. Cover, Esq., C.E.	5	1 0	121	37·7	35·91	164	135
d	Cardiff (St. Fagan's Castle)	Mr. A. W. Pearce	5	1 0	100	48·5	39·41	167	134
D	Cowbridge (Pentre Meyrick)	F. E. P. Dunn, Esq.	5	1 0	300	...	40·61	188	144
D	Merthyr Mawr (Schwyll)	Mid-Glamorgan Water Bd.	5	1 3	45	...	34·90	159	132
	Merthyr Mawr	R. I. Nicholl, Esq.	5	1 0	75	42·9	41·49	...	...
D	Bridgend (Eiw Graig)	H. J. Randall, Esq.	8	1 6	50	...	37·65	193	134
D	Llanharan (Sewage Works)	H. Thomas, Esq.	5	1 0	175	...	42·44	179	144
D	Port Talbot (Aberavon)	Borough Engineer	8	1 9	57	...	32·50	164	131
D	Maesteg (Salisbury Road)	H. L. Davies, Esq.	5	1 0	560	...	52·68	176	145
D	Maesteg (Isolation Hospital)	Engineer & Surveyor	8	1 0	600	...	53·35	196	163
D	Maesteg (Welfare Park)	Engineer & Surveyor	5	1 0	550	...	57·15	206	165
d	Pontycymmer	Mid-Glamorgan Water Bd.	8	1 0	560	...	65·08	...	...
D	Ogmore Vale	Mid-Glamorgan Water Bd.	8	1 2	580	...	74·19	189	161
	6.—TAFF. 157 sq. mi.								
D	Llandaff (Pen Pentre)	Professor R. C. McLean	5	1 0	130	42·2	38·83	153	128
D	Rhubina Reservoir	G. W. Cover, Esq., C.E.	5	1 0	336	48·1	42·43	178	143
D	Pontypridd (Ty-Gwyn Res.)	Pontypridd & Rhondda W.B.	5	1 0	725	...	54·37	195	158
D	Pontypridd (Treforest Central Sch.)	Headmaster	5	1 0	360	...	54·22	174	140
D	Pontypridd (County School)	E. G. Mort, Esq.	5	1 3	330	...	52·97	182	138
D	Pontypridd (Lan Wood Reservoir)	Pontypridd & Rhondda W.B.	5	1 6	300	...	54·10	199	149
D	Porth Park	E. Taylor, Esq.	5	1 0	400	...	62·16	180	156
D	Pontypridd (Llanfabon)	Pontypridd & Rhondda W.B.	5	1 0	600	...	57·51	202	158
D	Ystradyfodwg (Tyntyla Hospital)	Medical Officer of Health	5	1 0	590	...	62·10	178	151
D	§Gelli-galed Recreation Ground	E. Taylor, Esq.	5	1 0	475	...	68·50	176	156
D	§Treorchy Pumping Stn.	E. Taylor, Esq.	5	1 0	515		70·39	190	155
D	Ferndale Park	E. Taylor, Esq.	5	1 0	860	...	68·99	172	159
d	Treharris Service Reservoir	D. C. W. Jones, Esq., C.E.	5	1 3	765	52·3	48·56	159	147
D	Treherbert Park	E. Taylor, Esq.	5	1 0	600	...	77·12	196	164
D	Mountain Ash (Darranlas Res.)	Engineer & Surveyor	5	0 11	540	63·0	55·18	183	151
D	§Treherbert (Tyn-y-waun) *new g.*	Elwyn Jones, Esq.	5	1 0	801	87·0	79·88	203	166
D	Rhondda (Castell Nos Res.)	Pontypridd & Rhondda W.B.	5	1 0	1060	...	77·77	198	159
D	Rhondda (Lluest Wen Res.)	Pontypridd & Rhondda W.B.	5	1 0	1280	89·0	80·93	198	169
D	Merthyr Tydfil (Penybryn Filters)	D. C. W. Jones, Esq., C.E.	5	1 3	937	54·0	48·04	200	171
D	Merthyr Tydfil (Ardwyn)	F. L. G. Bevan, Esq.	5	1 0	770	...	49·24	192	156
D	Dowlais	Imperial Chem. Industries	5	1 7	1075	...	47·52	190	161
D	Dowlais (Gwernllwyn)	A. F. Adams, Esq.	5	1 0	1071	51·4	44·34	196	151
D	Dowlais (Garth Filter Beds)	A. C. Quiningborough, Esq.	5	1 0	1245	...	54·35	199	167

§ Turf wall round gauge.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	GLAMORGAN—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	7.—RHYMNEY. 55 sq. mi.								
D	Cardiff (Roath Park)	Chief Officer of Parks	5	1 0	51	41·6	35·64	169	140
D	CARDIFF (Penylan) (+A)	Medical Officer of Health	5	1 0	202	41·4	36·55	162	136
D	Cardiff (Heath Filters)	G. W. Cover, Esq., C.E.	5	1 0	132	41·3	38·13	180	138
D	Llanishen Reservoir	G. W. Cover, Esq., C.E.	5	1 0	155	39·4	38·34	178	142
D	Ystrad Mynach (Park Lane)	E. B. Johnston, Esq.	5	1 0	506	...	53·85	188	153
D	Rhymney Bridge Reservoir	Engineer	8	0 6	1150	...	51·61	217	176
	CARMARTHEN. (Area, 918 sq. mi.)								
	1.—TEIFI. 87 sq. mi.								
	2.—TOWY & C. 715 sq. mi.								
D	Carmarthen (Farm Inst.)	Principal	5	1 0	17	...	48·00	192	151
D	Carmarthen (St. David's Avenue)	E. W. Francis, Esq.	5	1 0	100	...	48·56	197	159
D	Carmarthen (Cwmoernant Res.)	G. L. Ovens, Esq.	5	1 0	135	...	50·23	207	176
D	Carmarthen (Fryn-hir)	C. V. Lewis, Esq.	5	1 0	155	...	48·77	199	155
D	Llandilo (Dynevor Castle)	Lord Dynevor	8	1 0	202	53·2	49·12	221	157
W	Llyn-y-fan Fach (Waen Sychlwch)	Llanelly R.D.C.	5	1 0	1647	103·0	84·30	...	...
d	Llyn-y-fan Fach (Nant Coch)	Llanelly R.D.C.	5	1 0	1172	77·8	67·74	...	...
W	Llyn-y-fan Fach (Bua'r Llyn)	Llanelly R.D.C.	5	1 0	1650	102·0	81·82	...	...
d	Llyn-y-fan-Fach (Troed-y-Foel)	Llanelly R.D.C.	5	1 0	867	...	64·74	...	...
D	Llanddeusant (Pontcrynfe)	J. Thomas, Esq.	5	1 0	323	55·6	51·73	209	163
D	Conwil-Elvit (Cwmtawel Res.)	G. L. Ovens, Esq.	5	1 0	350	...	60·34	224	190
D	Brechfa	Capt. C. Joynson	5	1 0	290	...	59·14	228	166
D	Abergorlech	S. L. Davies, Esq.	5	1 0	245	...	57·81	201	168
D	Llandovery (Nantyrhogfaen)	D. T. M. Jones, Esq.	5	1 0	249	50·8	43·49	210	153
D	Rhandirmwyn (Nantywyn)	Capt. H. R. H. Vaughan	5	1 0	475	...	49·99	209	163
	3.—LOUGHOR & C. 104 sq. mi.								
D	Llanelly (Filter Beds)	Llanelly U.D.C.	5	1 0	237	48·7	47·44	202	163
D	Llanelly (Cwmlliedi W.W.)	Llanelly U.D.C.	5	1 1	240	48·7	47·00	203	164
d	Pembrey (The Colony)	Forestry Commission	5	1 0	19	...	(41·32)	...	...
D	Llanelly (Upper Lliedi Res.)	Llanelly U.D.C.	5	0 11	290	...	50·89	220	168
D	Kidwelly	Llanelly U.D.C.	5	1 6	60	...	44·50	183	154
W	Llannon Reservoir	Llanelly R.D.C.	5	1 0	860	...	49·57	...	...
	4.—TAWE. 7 sq. mi.								
	5.—USK. 5 sq. mi.								
	6.—WYE.								
	PEMBROKE. (Area, 617 sq. mi.)								
	1.—TEIFI. 37 sq. mi.								
	2.—NEVERN & C. 91 sq. mi.								
D	Goodwick (Trenewydd)	Mrs. G. M. Johns	5	1 0	300	...	41·58	206	155
	3.—WEST COAST STREAMS. 82 sq. mi.								
	4.—CLEDDAU & C. 407 sq. mi.								
d	Pembroke (Stackpole Court)	Mr. F. G. Garlick	6	1 0	60	39·3	(46·14)	...	...
D	TENBY (The Priory)	Town Clerk	8	1 0	64	40·9	47·35	207	148
D	ST. ANN'S HEAD (C. Guard Station)	Station Officer (M.O.)	8	1 0	142	37·1	44·83	193	158
D	PEMBROKE DOCK	Meteorological Office	8	1 0	40	...	46·11	197	152
D	Milford Haven (Grammar School)	C. Davies, Esq.	5	1 0	170	...	44·97	188	153
D	Narberth (Bloomfield)	Miss L. Lewis Lloyd	5	0 10	275	...	50·87	223	161
D	HAVERFORDWEST (Hospital Grounds)	Borough Surveyor	5	1 0	133	...	45·10	202	163
D	Maenclochog (Ddolwen Bridge)	Milford Haven U.D.C.	5	1 0	740	...	66·73	183	172
D	Letterston (Trecwn House)	Superintending Engineer	8	0 10	391	...	55·15	181	170

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	CARDIGAN. (Area, 688 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—DOVEY. 20 sq. mi.								
D	Glandyfi (Ynyshir Hall)	W. H. Mappin, Esq. ...	5	1 0	45	...	32·13	180	133
	2.—YSTWYTH & C. 347 sq. mi.								
D	ABERPORTH ... ... (+A)	Meteorological Office ...	5	1 0	376	...	38·81	190	149
	Llanafan (Blaenddol)	R. Roberts, Esq., for M.O.	...	...	500	...	47·10	...	...
D	ABERYSTWYTH (Corporation Yard) ...	Town Clerk	8	1 0	12	36·5	31·05	186	135
D	ABERYSTWYTH (P.B.S.)	Dr. T. J. Jenkin	5	1 0	452	...	34·84	199	143
D	TALYBONT (LLETTY-EVAN-HEN) ...	Dr. T. J. Jenkin	5	1 0	930	...	38·26	198	158
D	Afon Rheidol (Nant-y-Moch) ...	Water Engineer, Aberystwyth	5	1 0	1060	...	57·54	182	174
M	§Plynlimon (Llygad Rheidol) *Higher g.*	Water Engineer, Aberystwyth	5	1 0	1660	...	68·40	...	...
M	§Plynlimon (Llygad Rheidol) *Lower g.*	Water Engineer, Aberystwyth	5	1 0	1650	...	70·90	...	...
	3.—TEIFI. 260 sq. mi.								
D	Cardigan (Plas Llangoedmore) ...	D. Berrington Davies, Esq.	5	1 0	120	...	40·82	185	153
d	Lampeter (Falcondale)	Sir Arthur Harford, Bart. ...	5	1 0	498	50·0	42·77	152	145
	4.—TOWY. 46 sq. mi.								
M	Abergwesyn (Nantneuadd)	Mr. T. Williams, for M.O.	1	5 0	1000	64·6	(53·00)	...	...
	5.—WYE. 15 sq. mi.								
M	§Birmingham W.W. (Llyn Gynon) ...	C. A. Risbridger, Esq., C.E.	5	1 0	1500	70·7	62·15	...	...
M	§Birmingham W.W. (Bwlchyrhendre)	C. A. Risbridger, Esq., C.E.	5	1 0	1585	67·4	62·30	...	...
M	Birmingham W.W. (Claerddu) ...	C. A. Risbridger, Esq., C.E.	5	1 0	1470	71·6	65·00	...	...
M	Birmingham W.W. (Gwngu)	C. A. Risbridger, Esq., C.E.	5	1 0	1490	...	57·40	...	...
D	§Birmingham W.W. (Abergwngu) ...	C. A. Risbridger, Esq., C.E.	5	1 0	1150	67·1	61·14	227	171
	BRECON. (Area, 733 sq. mi.)								
	1.—TOWY. 17 sq. mi.								
	2.—TAWE. 41 sq. mi.								
D	Ystradgynlais (Yniscedwyn House) ...	G. Coleman, Esq.	5	0 9	232	65·2	58·47	187	169
D	Swansea W.W. (Nantyrwydd)... ...	T. Price, Esq., C.E.... ...	5	0 10	908	84·3	65·38	208	190
	3.—NEATH. 48 sq. mi.								
D	Ystradfellte Reservoir	Engineer (Neath R.D.C.) ...	5	1 0	1147	85·4	69·50	204	167
	4.—TAFF. 48 sq. mi.								
D	Aberdare (Nanthir Reservoir)... ...	I. A. Bryant, Esq., C.E. ...	5	1 0	860	59·6	51·86	214	160
D	Cardiff W.W. (Cefn-Coed-y-Cymmer)	G. W. Cover, Esq., C.E. ...	...	...	790	...	47·92	194	165
M	Taf Fechan (Pontsticill West) 14 ...	A. C. Quiningborough, Esq.	5	1 0	1254	...	57·73	...	...
D	Cardiff W.W. (Llwynon Res.)... ...	G. W. Cover, Esq., C.E. ...	5	1 0	860	64·7	56·81	212	172
W	Cardiff W.W. (Nant Ffynnon) ...	G. W. Cover, Esq., C.E. ...	5	1 0	1352	73·2	61·92	...	...
M	Cardiff W.W. (Garn Ddu)	G. W. Cover, Esq., C.E. ...	5	1 0	1340	70·3	61·78	...	...
D	Cardiff W.W. (Garw-nant)	G. W. Cover, Esq., C.E. ...	5	1 0	1100	75·5	62·45	212	176
W	Cardiff W.W. (Nant-Gwineu) ...	G. W. Cover, Esq., C.E. ...	5	1 0	1200	67·5	61·46	...	...
W	Cardiff W.W. (Cefn Gougarn) ...	G. W. Cover, Esq., C.E. ...	5	1 0	1362	75·7	63·36	...	...
W	Cardiff W.W. (Llysiog)	G. W. Cover, Esq., C.E. ...	5	1 0	1080	68·7	59·84	...	...
	Taf Fechan (Pentwyn Res. N.) ...	A. C. Quiningborough, Esq.	5	1 0	1090	66·5	61·00	...	...
D	Taf Fechan (Pentwyn Res. S.) ...	A. C. Quiningborough, Esq.	5	1 0	1120	68·0	65·07	216	171
W	Cardiff W.W. (Twyn-Gareg)	G. W. Cover, Esq., C.E. ...	5	1 0	1501	86·7	68·68	...	...
D	Cardiff W.W. (CANTREF Res.) ...	G. W. Cover, Esq., C.E. ...	5	1 0	1080	69·9	63·12	219	179
D	Cardiff W.W. (Beacons Res.)	G. W. Cover, Esq., C.E. ...	5	1 0	1357	79·3	74·18	237	193
W	Cardiff W.W. (Nant Penig)	G. W. Cover, Esq., C.E. ...	5	1 0	2000	92·9	78·36	...	...

§ Turf wall round gauge.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	BRECON—(*contd.*).		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	4.—TAFF—(*contd.*).								
D	Cardiff W.W. (Storey Arms Field)	... G. W. Cover, Esq., C.E. ...	5	1	0 1430	88·5	70·56	233	193
W	Cardiff W.W. Blaen Taf Fawr	... G. W. Cover, Esq., C.E. ...	5	1	0 1430	85·7	72·97	...	...
D	Taf Fechan (Neuadd Rs.) No. 1A	... A. C. Quiningborough, Esq.	5	1	0 1423	84·6	75·69	228	181
D	Taf Fechan (Neuadd Rs.) No. 4	... A. C. Quiningborough, Esq.	5	1	0 1487	83·0	74·52	228	183
D	Taf Fechan (Neuadd Rs.) No. 11	... A. C. Quiningborough, Esq.	5	1	0 1524	68·3	70·91	228	180
D	Taf Fechan (Neuadd Rs.) No. 11A	... A. C. Quiningborough, Esq.	5	1	0 1520	...	73·60	228	183
M	Taf Fechan (Neuadd Rs.) No. 2	... A. C. Quiningborough, Esq.	5	1	0 1993	...	70·48	...	...
M	Taf Fechan (Neuadd Rs.) No. 5	... A. C. Quiningborough, Esq.	5	1	0 1515	83·3	75·19	...	...
M	Taf Fechan (Neuadd Rs.) No. 10	... A. C. Quiningborough, Esq.	5	1	0 1700	72·7	72·95	...	...
M	Taf Fechan (Neuadd Rs.) No. 7	... A. C. Quiningborough, Esq.	5	1	0 2017	92·2	79·11	...	...
M	Taf Fechan (Neuadd Rs.) No. 8	... A. C. Quiningborough, Esq.	5	1	0 1723	87·4	77·07	...	...
M	Taf Fechan (Neuadd Rs.) No. 6	... A. C. Quiningborough, Esq.	5	1	0 2099	95·4	86·30	...	...
	5.—RHYMNEY. 2 sq. mi.								
	6.—EBBW. 7 sq. mi.								
D	Ebbw Vale W.W. (Llangynidr) 1	... J. G. Hoskins, Esq. ...	5	1	0 1413	58·8	58·37	201	161
D	Ebbw Vale W.W. (Llangynidr) W3	... J. G. Hoskins, Esq. ...	5	1	0 1468	...	61·60	201	165
D	Ebbw Vale W.W. (Llangynidr) NW2	... J. G. Hoskins, Esq. ...	5	1	0 1471	...	59·18	201	102
D	Ebbw Vale W.W. (Carno, E.)	... J. G. Hoskins, Esq. ...	5	1	0 1391	...	56·36	201	161
D	Ebbw Vale W.W. (Carno, W.)	... J. G. Hoskins, Esq. ...	5	1	0 1412	...	58·72	201	163
D	Ebbw Vale W.W. (Carno, N.)	... J. G. Hoskins, Esq. ...	5	1	0 1491	...	58·09	201	161
	7.—USK. 299 sq. mi.								
D	Gilwern (Bryn-yr-Haul)	Mrs. J. John	5	1	0 590	...	50·46	187	146
	Torpantau (Darenfawr)	Newport Corporation ...	5	1	0 1172	70·4	63·50	...	...
	Torpantau (Ynysposte)	Newport Corporation ...	5	1	0 741	66·8	60·68	...	...
	Torpantau (Blaen-caer-fanell)	... Newport Corporation ...	5	1	0 1584	23·2	67·52	...	...
D	Talybont (Ffynonwen)	Newport Corporation ...	5	1	0 629	60·2	53·41	204	153
	Talybont (Pwll Ifor)	Newport Corporation ...	5	1	0 1224	65·3	63·05	...	...
D	Talybont (Filter House)	Newport Corporation ...	5	1	0 554	56·0	51·38	194	155
	Talybont (Craig Pwllfa)	Newport Corporation ...	5	0	7 1796	...	66·71	...	...
D	Talybont (Tyle Clydach)	Newport Corporation ...	5	0	11 709	...	52·19	193	152
	Talybont (Nant-y-Llanerch)	Newport Corporation ...	5	1	0 1007	...	59·58	...	...
	Talybont (Cefn Bach)	Newport Corporation ...	5	1	3 1263	...	63·27	...	...
D	Crickhowell (Glanusk Park)	Lord Glanusk	5	1	0 290	...	43·99	178	145
M	Swansea W.W. (Cray Rs.) No. 2	... T. Price, Esq., C.E....	5	1	0 1019	...	63·75	...	...
D	Swansea W.W. (Cray Rs.) No. 1 (+A)	T. Price, Esq., C.E....	5	1	0 1043	...	60·91	214	177
D	Talybont (Ashford)	J. Henderson, Esq. ...	5	1	0 360	45·6	40·00	179	134
D	Llanfrynach (Ty-mawr)	Miss M. D. de Winton ...	5	1	0 450	...	41·17	181	147
D	CRICKHOWELL (Dan-y-Parc)	R. G. Sandeman, Esq. ...	8	1	0 230	...	42·73	191	135
D	Talybont (Yscythrog)	Lt.-Col. C. G. Cole-Hamilton	5	1	0 451	...	35·09	185	135
M	Crickhowell (Tal-y-maes)	Mrs. E. Jones, for M.O. ...	5	1	0 1250	...	(39·85)	...	...
D	Trecastle (Blaenau-hydfer)	Mr. M. Davies, for M.O. ...	5	1	0 970	63·2	68·19	218	172
D	Brecon (Tairbull School)	W. O. Davies, Esq. ...	5	1	0 660	52·0	42·38	184	144
D	Brecon (Ffrwdgrech)	Capt. J. D. D. Evans ...	5	1	0 560	...	42·18	190	146
D	Brecon (Waterworks)	Borough Engineer	5	1	0 550	...	39·38	180	146
d	Brecon (Mount Street School)	... Headmaster	5	0	11 494	...	(38·61)	...	...
D	Black Mountains (Blaen-y-cwm)	... W. Cory Goddard, Esq., C.E.	5	1	0 1423	...	45·08	210	171
D	Black M. (The Dam, Grwyne Fawr)	W. Cory Goddard, Esq., C.E.	5	1	0 1620	...	45·73	210	171
	8.—WYE. 271 sq. mi.								
D	Cathedine Rectory	Rev. J. H. Roderick, for M.O.	5	1	6 650	...	33·98	183	136
d	Felin Fach	Mrs. G. Griffiths	5	1	0 516	...	(33·11)	...	...
d	Llanfillo (County School)- ...	The Headmistress	5	1	0 700	...	(31·67)	...	...
D	Talgarth (Arfryn)	F. T. Morgan, Esq. ...	5	1	0 450	*33·2*	29·44	176	136
D	Talgarth (South Wales Sanatorium)	... Dr. H. E. Watson	5	1	0 500	...	30·97	151	136

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	BRECON—(*contd.*).		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	8.—WYE—(*contd.*).								
W	Llanwrtyd Wells (Abernant)	T. A. Poole, Esq.*	5	1	0 632	57·2	47·01	...	...
D	Garth	T. A. Poole, Esq.*	5	1	0 541	...	41·94	202	157
M	Abergwesyn (Trallwn)	D. I. Felix, Esq., for M.O.	5	1	0 1000	75·5	(64·20)	...	...
D	Beulah (Llwyn Madoc)	C. M. Evan-Thomas, Esq.	5	1	0 750	...	51·24	189	165
	Llanafanfawr School	W. D. Swan, Esq.	5	0	8 800	...	44·99	...	...
M	Newbridge (Pengraig)	Miss A. Williams, for M.O.	5	1	0 960	56·5	(50·60)	...	...
D	Newbridge (Llysdinam)	Sir C. Venables Llewelyn, Bt.	5	1	3 646	41·2	36·18	189	154
M	§Birmingham W.W. (Cors-yr-hwch)	C. A. Risbridger, Esq., C.E.	5	1	0 1775	87·3	75·25	...	...
M	§Birmingham W.W. (Esgair Ceiliog)	C. A. Risbridger, Esq., C.E.	5	1	0 1560	77·3	68·81	...	...
M	§Birmingham W.W. (Llyn-Carw)	C. A. Risbridger, Esq., C.E.	5	1	0 1775	79·3	70·30	...	...
M	§Birmingham W.W. (Nant-y-car)	C. A. Risbridger, Esq., C.E.	5	1	0 1545	76·5	66·70	...	...
M	§Birmingham W.W. (Arban)	C. A. Risbridger, Esq., C.E.	5	1	0 1500	73·2	68·30	...	...
M	§Birmingham W.W. (Tyn-y-pant)	C. A. Risbridger, Esq., C.E.	5	1	0 1320	62·0	57·75	...	...
M	§Birmingham W.W. (Esgair Garthen)	C. A. Risbridger, Esq., C.E.	5	1	0 1590	75·5	66·35	...	...
D	Birmingham W.W. (Elan Village)	C. A. Risbridger, Esq., C.E.	5	1	0 700	54·4	51·93	218	170
	RADNOR. (Area, 474 sq. mi.)								
	1.—WYE. 424 sq. mi.								
d	Glasbury-on-Wye (Hampton School)	D. W. Lloyd, Esq.	5	1	0 276	33·9	28·87	...	...
D	Llyswen (Llanstephan Ho. Gdns.)	Lady Milford	5	1	3 440	...	36·01	176	151
d	Erwood Station	Mrs. Powell*	5	1	0 407	...	35·54	...	...
D	Newchurch	F. E. Lloyd, Esq.*	5	1	0 801	...	34·88	173	133
D	§Builth (Cefndyrys)	Capt. E. A. Thomas	5	1	0 740	41·5	34·75	190	157
D	Builth (Pencerrig)	Cdr. C. L. Evan-Thomas, R.N.	5	1	6 750	...	32·94	189	135
d	Llansaintfraed-in-Elvel	R. Parry, Esq.*	5	1	0 673	38·7	32·39	(194)	(146)
d	New Radnor (Harpton Court Gdns.)	Sir Henry Duff Gordon, Bt.	5	0	6 700	43·8	(37·29)	...	...
D	Presteign (Evancoyd)	Major C. J. L. Lewis	5	1	0 744	...	35·90	187	139
D	LLANDRINDOD WELLS (The Common)	The Clerk to the U.D.C.	5	1	0 772	...	35·47	193	152
D	§Birmingham W.W. (Tyrmynydd)	C. A. Risbridger, Esq., C.E.	5	1	0 832	62·1	55·33	227	166
D	Birmingham W.W. (Ciloerwynt)	C. A. Risbridger, Esq., C.E.	5	1	0 1045	...	57·72	230	178
D	Birmingham W.W. (Nantgwillt)	C. A. Risbridger, Esq., C.E.	5	1	0 840	63·2	55·46	230	177
M	§Birmingham W.W. (Dwfnant)	C. A. Risbridger, Esq., C.E.	5	1	0 1050	65·3	59·50	...	...
M	§Birmingham W.W. (Esgair Gader) 2	C. A. Risbridger, Esq., C.E.	5	1	0 1500	67·3	61·70	...	...
M	Birmingham W.W. (Tynllidiart)	C. A. Risbridger, Esq., C.E.	5	1	0 1006	62·9	59·99	...	...
	§Birmingham W.W. (Claerwen)	C. A. Risbridger, Esq., C.E.	5	1	0 1250	67·7	59·15	...	...
D	§Birmingham W.W. (Tynant)	C. A. Risbridger, Esq., C.E.	5	1	0 1020	64·3	62·26	234	187
D	Rhayader (East Street)	R. Ashton, Esq.	5	1	0 700	49·2	43·60	188	151
d	Llanddewi-Ystradenny	J. E. Price, Esq.*	5	1	0 767	...	34·83	...	...
M	§Birmingham W.W. (Cerigllwydion)	C. A. Risbridger, Esq., C.E.	5	1	0 1710	72·4	69·35	...	...
M	§Birmingham W.W. (Pen-y-gareg) 1	C. A. Risbridger, Esq., C.E.	5	1	0 1500	...	52·55	...	...
M	§Birmingham W.W. (Pen-y-gareg) 2	C. A. Risbridger, Esq., C.E.	5	1	0 1540	...	52·42	...	...
M	Birmingham W.W. (Bryn Hir)	C. A. Risbridger, Esq., C.E.	5	1	0 1470	74·2	68·15	...	...
M	Birmingham W.W. (Abercaethon)	C. A. Risbridger, Esq., C.E.	5	1	0 1240	67·1	61·60	...	...
M	§Birmingham W.W. (Calettwr)	C. A. Risbridger, Esq., C.E.	5	1	0 1490	72·5	64·90	...	...
D	Abbey Cwmhir (The Hall)	Col. J. L. Philips	5	0	10 877	...	38·29	176	150
d	Llangunllo	H. Kendrick, Esq.*	5	1	0 776	...	40·54	188	152
M	§Birmingham W.W. (Figin) No. 2	C. A. Risbridger, Esq., C.E.	5	1	0 1700	81·3	70·25	...	...
M	Birmingham W.W. (Aberhenllan)	C. A. Risbridger, Esq., C.E.	5	1	0 1070	64·8	59·65	...	...
M	Llanbister (Llananno)	Mrs. A. Jones, for M.O.	5	1	0 900	45·1	(43·00)	...	...
D	St. Harmons	J. Hope, Esq.**	5	1	0 918	...	44·24	186	153
d	§St. Harmons (Bwlch-y-sarnau)	Mr. J. Wozencroft**	5	1	0 1288	...	46·10	161	157
D	Llanbadarn-Fynydd	Mr. P. A. Stephens**	5	1	0 974	...	42·92	229	172
d	§St. Harmons (Pen-Ithon)	Mr. J. W. Evans*	5	1	1 1226	...	43·44	(213)	(155)
	2.—SEVERN. Right Bank Tributaries. 50 sq. mi.								

* *Per* River Wye Catchment Board. § Turf wall round gauge.
** *Per* River Wye Catchment Board (by courtesy of the local County Council).

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	MONTGOMERY. (Area, 797 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—DOVEY. 120 sq. mi.								
D	Machynlleth (Plas Llwyn Gwern)	The Hon. R. E. B. Beaumont	5	0 9	150	...	64·86	196	169
	2.—YSTWYTH. 7 sq. mi.								
	3.—WYE. 37 sq. mi.								
W	Corris (Esgairgeiliog Camp)	Forestry Commission	5	0 11	240	...	67·13	...	...
D	Birmingham W.W. (Bod-Talog)	C. A. Risbridger, Esq., C.E.	5	1 0	1250	65·8	60·84	213	192
	Birmingham W.W. (Glan-Fedwen)	C. A. Risbridger, Esq., C.E.	5	1 0	1375	67·7	63·07	...	...
	Llangurig (Dernol)	E. W. Price, Esq., for M.O.	5	1 0	870	52·7	(47·75)	...	...
	4.—SEVERN. Right Bank Tributaries. 154 sq. mi.								
D	Llanidloes (Hillfield)	G. E. Edwards, Esq.	5	1 6	550	...	36·81	192	155
D	Llanidloes (Mount Severn)	A. L. Onslow, Esq.	5	1 0	600	...	45·91	181	150
D	Newtown (Mochdre Reservoir)	Surveyor	5	0 9	650	...	35·87	179	158
d	Newtown (Penarth Weir)	British Railways	8	1 0	321	35·0	33·01	...	...
	5.—SEVERN. Left Bank Tributaries. 479 sq. mi.								
D	Berriew (Vaynor Park)	Major W. J. Corbett-Winder	5	1 0	650	...	30·12	181	137
D	Berriew (Brithdir Hall)	Mrs. F. E. Marston	5	1 0	350	30·7	31·09	166	133
D	WELSHPOOL (County School)	Headmaster	5	1 0	254	30·1	26·64	196	136
d	Welshpool (Fron Llwyd)	Col. G. B. D. Harrison	5	1 3	500	33·7	32·86	...	...
	Garthbeibio (Bwlch Tomlyd)	J. R. Jones, Esq., for M.O.	5	1 0	1200	71·0	(69·55)	...	...
D	Llanymynech (Penrhos Vicarage)	Rev. W. Griffith	5	1 0	300	...	31·47	201	139
d	Llanfyllin (Penllwyn)	Major J. E. M. Dugdale	5	0 7	649	...	44·03	...	...
	Lake Vyrnwy (Cownwy Dam)	Lt.-Col. F. Hibbert, C.E.	8	1 0	929	...	57·92	...	...
	Llanymynech (Pentreheylin Hall)	H. P. Hall, Esq.	5	2 0	220	...	27·65	...	...
W	Llanymynech (White Rock)	J. Moon, Esq.	5	1 0	350	...	28·09	...	...
D	Lake Vyrnwy	H. J. Minett, Esq.	5	0 7	770	54·0	58·78	216	176
	Lake Vyrnwy (Gerig)	Lt.-Col. F. Hibbert, C.E.	5	1 0	1230	...	(73·31)	...	...
	Lake Vyrnwy (Bryn Gwyn)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1311	*56·7*	59·15	...	...
D	LAKE VYRNWY (Experimental Stn.) (+A)	Lt.-Col. F. Hibbert, C.E.	5	1 0	995	...	60·32	216	173
D	Lake Vyrnwy (Bank Cynon Isaf)	Lt.-Col. F. Hibbert, C.E.	8	1 0	750	55·3	52·94	200	164
	Lake Vyrnwy (Lakeside)	Lt.-Col. F. Hibbert, C.E.	8	1 0	835	...	61·12	...	...
	Lake Vyrnwy (Ty Uchaf)	Lt.-Col. F. Hibbert, C.E.	8	1 0	860	58·1	58·57	...	...
	Lake Vyrnwy (Heol-y-ffridd) No. 1	Lt.-Col. F. Hibbert, C.E.	8	1 0	913	...	71·34	...	...
	Lake Vyrnwy (Heol-y-ffridd) No. 2	Lt.-Col. F. Hibbert, C.E.	8	1 0	830	...	68·72	...	...
	Lake Vyrnwy (Tyn-y-ffridd)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1010	...	56·19	...	...
	Lake Vyrnwy (Lluestwen) No. 2	Lt.-Col. F. Hibbert, C.E.	8	1 0	1620	...	74·99	...	...
	Lake Vyrnwy (Llwynrhiw)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1428	...	73·76	...	...
	Lake Vyrnwy (Nant Cawell)	Lt.-Col. F. Hibbert, C.E.	5	1 0	1610	77·4	77·21	...	...
	Lake Vyrnwy (Hirnant)	Lt.-Col. F. Hibbert, C.E.	8	1 0	766	...	53·98	...	...
	Lake Vyrnwy (Eunant Bridge)	Lt.-Col. F. Hibbert, C.E.	5	1 0	830	...	71·19	...	...
	Lake Vyrnwy (Gadfa)	Lt.-Col. F. Hibbert, C.E.	5	1 0	1521	81·4	80·07	...	...
	Lake Vyrnwy (Carreg Goch)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1780	66·1	71·08	...	...
	Lake Vyrnwy (Rhiwargor)	Lt.-Col. F. Hibbert, C.E.	5	1 0	860	...	70·14	...	...
	Lake Vyrnwy (Stone)	Lt.-Col. F. Hibbert, C.E.	5	1 0	1499	72·2	71·50	...	...
	§Lake Vyrnwy (Fawnog)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1315	55·7	60·61	...	...
	Lake Vyrnwy (Pennant Melangell)	Lt.-Col. F. Hibbert, C.E.	8	1 0	660	...	56·36	...	...
	Lake Vyrnwy (Erw Berfedd)	Lt.-Col. F. Hibbert, C.E.	5	1 0	1800	67·8	69·12	...	...
D	Pen-y-bont (Rhiwlas)	Lt.-Col. F. Hibbert, C.E.	5	1 0	748	...	44·50	193	164
	FLINT. (Area, 256 sq. mi.)								
	1.—DEE. 198 sq. mi.								
D	Hanmer (Gredington)	Lady Kenyon	5	1 0	300	30·4	26·90	160	129
D	Hawarden (High Park)	C. F. Williams, Esq.	5	0 10	256	...	30·89	186	137

§ Turf wall round gauge.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	FLINT—(*contd.*).			*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	1.—DEE—(*contd.*).									
D	HAWARDEN (Airfield)	(+A)	Meteorological Office ...	5	1	0 15	...	26·24	188	124
D	Mold (Mount Pleasant)		E. G. Hutson, Esq., C.E. ...	5	1	0 503	...	31·78	184	138
D	Cilcain (No. 2 Reservoir)		Hawarden & Dist. W.W. Co.	5	1	0 785	...	35·22	181	148
W	Cilcain (No. 4 Reservoir)		Hawarden & Dist. W.W. Co.	5	1	0 900	...	35·71	...	...
D	Northop (Soughton Hall)		R. W. Bankes, Esq. ...	5	1	0 418	32·1	38·91	188	152
D	Connah's Quay (Mold Road) ...		E. G. Hutson, Esq., C.E. ...	5	1	0 43	...	29·29	188	145
D	Connah's Quay (Pengwladys)		E. G. Hutson, Esq., C.E. ...	5	1	0 231	...	30·38	190	143
D	HAWARDEN BRIDGE		Messrs. J. Summers & Sons	8	1	0 17	24·3	26·63	184	134
d	Halkyn (Bryn Awel)		Halkyn District Mines, Ltd.	5	0	7 870	...	(33·50)	...	...
D	Mostyn		Darwen & Mostyn Iron Co.	5	3	2 15	...	31·26	172	128
	2.—CLWYD. 51 sq. mi.									
D	Bodfari (Nantlys)		A. D. H. Pennant, Esq. ...	5	1	5 178	27·4	30·61	188	131
D	Dyserth (Penlee)		L. Wilson, Esq.	5	1	0 260	...	28·02	198	140
D	RHYL (Sewage Works) ...	(+A)	Medical Officer of Health ...	8	1	0 31	25·8	25·45	173	133
D	PRESTATYN		Clerk to the U.D.C. ...	5	1	0 18	...	26·88	164	131
	3.—SEVERN. Left Bank Tributaries. 7 sq. mi.									
	DENBIGH. (Area, 668 sq. mi.)									
	1.—DEE. 278 sq. mi.									
	Glynceirog (Plas Nantyr)		C. B. C. Storey, Esq. ...	5	1	0 1500	49·7	49·49	...	...
D	Chirk Castle Gardens		Col. R. Myddleton ...	5	1	0 630	...	(38·33)	201	143
D	Chirk (Old Vicarage)		Miss J. B. Jagger	5	1	0 350	...	37·53	186	143
D	Llangollen (Vivod)		Capt. W. Best	5	1	0 640	...	43·63	194	158
D	Ruabon (Trevor Hall)		E. Lloyd Edwards, Esq. ...	5	1	2 500	30·9	38·69	180	152
M	Wrexham W.W. (Mountain Lodge) ...		Engineer	8	0	9 1100	...	38·58	...	...
d	Wrexham W.W. (Ty Mawr Res.) ...		Engineer	5	0	9 805	*39·1*	36·23	197	153
D	Wrexham W.W. (Pack Saddle Res.) ...		Engineer	5	0	9 370	32·0	37·04	199	148
d	Wrexham W.W. (Cae Llwyd Res.) ...		Engineer	5	0	9 918	*40·5*	39·14	210	158
	§Wrexham W.W. (Erwan)		Engineer	5	1	0 1160	...	40·64	...	...
	§Wrexham W.W. (Abersychnant) ...		Engineer	5	1	0 1370	...	40·16	...	...
M	Wrexham W.W. (Minera)		Engineer	5	0	9 1400	...	36·66	...	...
D	Wrexham (Salisbury Park)		S. E. Ashmore, Esq. ...	5	1	0 283	...	31·31	196	138
D	WREXHAM (Grove Pk. C'nty Sch.)	(+A)	S. E. Ashmore, Esq. ...	5	1	0 273	...	30·42	188	129
D	Pendinas Reservoir		Brymbo Water Co. ...	5	0	6 1249	...	(43·59)	(209)	(174)
D	Nantyffrith Reservoir		Brymbo Water Co. ...	5	0	6 1040	...	(41·67)	(208)	(184)
D	Llanfihangel-glyn-myfyr		E. G. Hutson, Esq., C.E. ...	5	1	0 898	43·7	37·93	219	159
D	R. Alwen (Alwen Filter House) ...		E. G. Hutson, Esq., C.E. ...	5	1	0 1100	46·4	42·64	216	162
D	R. Alwen (Alwen Dam)		E. G. Hutson, Esq., C.E. ...	5	1	0 1189	...	45·33	217	164
D	R. Alwen (Hafod-y-llan-isaf)		E. G. Hutson, Esq., C.E. ...	5	1	0 1180	...	43·76	216	165
W	Pentre Voelas (Nant Heilyn)		E. G. Hutson, Esq., C.E. ...	5	1	0 1225	49·2	48·75	...	...
	R. Brenig (Hafod-yr-Onen)		E. G. Hutson, Esq., C.E. ...	5	1	0 1150	...	44·06	...	...
M	Nantglyn (Pant-y-maen)		E. G. Hutson, Esq., C.E. ...	8	1	0 1320	50·3	48·63	...	...
M	Llyn Bran		E. G. Hutson, Esq., C.E. ...	8	1	0 1428	52·1	48·58	...	...
	2.—CLWYD & C. 267 sq. mi.									
D	Clawdd-newydd No. 2		E. G. Hutson, Esq., C.E. ...	5	1	0 983	37·5	35·98	198	166
	Clawdd-newydd (Foel Fach)		Forestry Commission ...	5	0	10 1000	...	34·76	...	...
W	Ruthin (Corwen Road)		E. G. Hutson, Esq., C.E. ...	5	1	0 234	...	33·02	...	...

§ Turf wall round gauge.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	DENBIGH—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	2.—CLWYD & C.—(*contd.*).								
	Llyn Aled	O. P. Cronshaw, Esq.	5	1 6	1200	...	48·24	...	...
D	Ruthin (Bwlch Tunnel)	E. G. Hutson, Esq., C.E.	5	1 0	908	...	33·37	186	151
	Llyn Aled (Moel-y-Bryniau)	O. P. Cronshaw, Esq.	5	1 4	1250	...	45·93	...	...
D	Llangynhafal (Plâs Drâw)	Major R. Bromhead	5	1 0	419	31·1	34·20	202	150
D	Denbigh (Mental Hospital)	Clerk & Steward	5	1 0	316	...	(31·54)	159	137
M	Llanefydd (Dolwen Res. S.)	O. P. Cronshaw, Esq.	5	1 0	600	...	31·36	...	...
M	Llanefydd (East)	O. P. Cronshaw, Esq.	5	1 0	570	...	32·47	...	...
D	Llanefydd (Plas Uchaf Res.)	O. P. Cronshaw, Esq.	5	1 0	485	...	32·26	189	149
D	Llanefydd (Glascoed Res.)	O. P. Cronshaw, Esq.	5	1 0	360	...	28·62	199	143
	St. Asaph (Wigfair)	Col. H. C. Ll. Howard, C.M.G.	5	0 10	250	...	29·22	...	...
d	Abergele (County School)	Headmaster	5	1 0	50	...	29·84	159	130
D	Abergele (Sea Road)	Sydney Wilson, Esq.	5	1 0	35	28·4	27·63	185	131
D	COLWYN BAY (Eirias Park)	Borough Surveyor	5	1 0	118	...	32·89	188	141
	3.—CONWAY. 4 sq. mi.								
D	Pentre Voelas (Voelas Hall)	Col. J. C. Wynne Finch	5	1 3	640	...	54·18	229	174
D	Tal-y-Cafn (Bodnant)	Lord Aberconway	5	0 10	150	...	38·31	200	152
	4.—SEVERN. Left Bank Tributaries. 47 sq. mi.								
D	Llansilin (Penygwely Res.)	J. E. Taylor, Esq., C.E.	5	1 0·	1115	...	41·68	183	147
	MERIONETH. (Area, 661 sq. mi.)								
	1.—DEE. 218 sq. mi.								
d	Llanuwchllyn (Plas-deon)	A. E. Morris, Esq.*	5	1 0	555	...	58·30	...	...
M	§Afon Lliw (Blaen Lliw Isaf)	J. Pugh, Esq.*	5	1 6	1790	...	85·40	...	...
d	Bala (Central School)	H. Lewis, Esq.	5	1 0	530	...	46·56	...	...
D	Bala (Tegid Street)	(+A) D. R. Roberts, Esq.*	5	1 3	537	46·9	48·69	190	159
D	Llandderfel (Palé Gardens)	Sir Henry Robertson	8	1 0	606	48·2	47·99	181	155
M	§Trawsfynydd (Cwm Prysor)	N. Wales Power Co., Ltd.	5	1 3	1300	...	72·10	...	...
d	Bala (Craig Nant)	J. Jones, Esq.*	5	1 0	1030	...	71·76	190	169
D	Corwen (Bryntirion)	Admiral Stapleton-Cotton	5	0 9	570	...	36·56	191	153
D	Afon Mynach (Hafod Nwydog)	N. D. Tee, Esq.*	5	1 0	1198	...	63·07	158	148
W	Derwen (Minffordd)	E. G. Hutson, Esq., C.E.	5	1 0	971	...	34·78	...	...
	2.—CLWYD. 7 sq. mi.								
	3.—GLASLYN. 92 sq. mi.								
d	Harlech (Royal St. Davids Golf Club)	Secretary	5	1 0	3	...	35·23	...	...
M	Trawsfynydd (Cefn Gell-y-Cwm)	N. Wales Power Co., Ltd.	5	1 0	665	...	61·15	...	...
M	Trawsfynydd (Darn Gae)	N. Wales Power Co., Ltd.	5	1 0	950	...	70·75	...	...
D	Pandyrddrwyryd (Main Dam)	N. Wales Power Co., Ltd.	5	1 3	650	...	59·51	192	162
W	Tyddyn-y-Careg (Hendre Mur)	N. Wales Power Co., Ltd.	5	1 3	660	...	59·89	...	...
D	Festiniog (Hafod Fawr)	Forestry Commission	8	1 4	1000	74·6	64·12	214	174
D	Blaenau Festiniog (Oakeley Q.)	J. Lloyd Humphreys, Esq.	5	1 0	1100	106·5	91·88	189	180
D	Blaenau Festiniog (Llechwedd Q.)	Messrs. J. W. Greaves & Son	5	1 0	700	...	85·86	204	174
	4.—MAWDDACH & C. 262 sq. mi.								
D	Towyn (Ynys-y-Maengwyn)	R. Corbett, Esq.	5	1 0	14	...	40·39	172	149
D	Towyn (Bronffynnon)	Dr. T. Henry Jones	5	1 0	180	...	38·57	193	147

§ Turf wall round gauge. * *Per* River Dee Catchment Board.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	MERIONETH—(*contd.*).		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	4.—MAWDDACH & C.—(*contd.*).								
	Dolgelley (Bronygader)	Lt.-Col. A. E. Jelf-Reveley	5	1 0	200	...	66·79	...	...
D	Dolgelley (Borthwnog)	Col. C. W. H. Crichton	5	1 0	5	...	48·91	198	162
d	Llanbedr (Llwyn)	A. Towers, Esq.	5	1 6	50	...	41·09	...	...
	5.—DOVEY. 82 sq. mi.								
D	Aberdovey (Plas Penhelig)	J. M. Howell, Esq., D.L.	5	1 0	150	...	38·67	202	158
D	Pennal (Llwyn-Celyn)	Lt.-Col. M. V. le P. Trench	5	1 0	30	...	47·91	201	163
D	Pennal (Talgarth Hall)	Owen D. Jones, Esq.	5	0 9	125	...	47·76	166	149
W	Corris (Pantperthog)	Forestry Commission	5	0 11	240	...	67·13	...	...
W	Aberangell (Gwynynd)	J. Norman Jones, Esq.	5	0 10	450	...	60·94?	...	...
	6.—SEVERN. Left Bank Tributaries.								
	CARNARVON. (Area, 572 sq. mi.)								
	1.—BARDSEY ISLAND.								
	2.—CONWAY & C. 146 sq. mi.								
D	Capel Curig (Glyn Curig)	W. S. Parrott, Esq.	5	2 1	710	...	83·64	230	186
	Lake Llwgwy	N. Wales Power Co., Ltd.	5	1 0	1820	...	96·30	...	...
	L. Cowlyd (Ffrith Garreg Wen) A.	Conway & Colwyn Bay W.Bd.	5	1 0	1168	...	85·09	...	...
	Lake Cowlyd (Cowlyd)	N. Wales Power Co., Ltd.	5	1 0	1400	...	85·14	...	...
	Llanbedr-y-Cennin (Melynllyn)	J. A. Edwards, Esq., C.E.	5	1 0	2065	...	107·98	...	...
	Llanbedr-y-Cennin (Llyndulyn)	J. A. Edwards, Esq., C.E.	8	1 6	1632	102·7	92·23	...	...
	Llanbedr-y-Cennin (Plasdulyn)	J. A. Edwards, Esq., C.E.	8	1 0	509	...	51·40	...	...
d	Conway (Mussel Tanks)	Min. of Agric. & Fisheries	5	1 0	50	...	27·59	...	...
D	LLANDUDNO (Cricket Ground)	Medical Officer of Health	5	1 1	13	28·1	30·93	182	135
	3.—MENAI STRAITS. 221 sq. mi.								
D	Edeyrn Tydweiliog (Cefnamwlch)	Col. W. H. Wynne Finch	5	1 0	300	...	41·90	195	148
D	Madryn Castle (Farm School)	The Principal	5	1 6	278	39·0	43·49	169	135
d	Edeyrn (Henfaes)	J. St. Bodfar Griffydd, Esq.	5	1 3	50	...	45·41	161	137
D	Llanaelhaiarn (Council School)	J. Hughes, Esq.	5	1 7	450	51·6	49·13	162	156
M	Nantlle (Dorothea Quarry)	Dorothea Slate Quarry Co.	5	2 0	300	...	56·15	...	...
	Llandwrog (Glynllivon Park)	Rt. Hon. Lord Newborough	5	1 0	100	44·7	44·47	...	...
	Llandwrog (Glynllivon Nursery)	Rt. Hon. Lord Newborough	5	1 0	90	...	44·07	...	...
D	Llandwrog (Glynllivon Garden)	Rt. Hon. Lord Newborough	5	1 0	100	...	44·78	183	162
d	Bethesda (Penrhyn Quarries)	General Manager	8	1 0	527	*65·8*	(50·68)	(146)	(139)
D	Port Dinorwic (Vaynol)	Sir Michael Assheton-Smith	5	0 8	100	...	38·01	181	142
D	Bangor (Town Hall)	Water Engineer & Surveyor	8	1 6	50	...	37·04	193	152
D	Bangor (Penrhyn Castle Gardens)	Head Gardener	5	1 0	150	...	38·07	209	151
D	ABER (University College Farm)	Prof. R. G. White	5	1 0	60	...	40·56	206	160
d	Llanfairfechan (School House)	Surveyor U.D.C.	5	1 0	120	37·9	40·55	...	...
	4.—ERCH & C. 155 sq. mi.								
D	Pwllheli (West End)	B. V. Howell, Esq.	8	1 3	9	...	37·51	174	146
	5.—GLASLYN. 50 sq. mi.								
D	Portmadoc (Wern)	Col. M. I. Williams-Ellis	5	1 0	20	...	41·79	148	134
D	Beddgelert (Primary School)	Headmaster	5	1 2	133	...	71·55	214	166
	Beddgelert (Hafod Ruffydd)	J. E. Evans, Esq.	5	1 0	490	...	72·91	...	...
W	Hafodtanygraig	Arnold White, Esq.	5	1 6	280	...	86·08	...	...
D	Snowdon (Cwm Dyli) No. 11	N. Wales Power Co., Ltd.	5	1 0	310	*117·9*	112·10	228	210
D	Snowdon (Cwm Dyli, Old Rd.) 14(+A)	N. Wales Power Co., Ltd.	5	0 10	325	...	107·19	227	202
M	Snowdon (Delta) No. 7	N. Wales Power Co., Ltd.	5	1 0	1435	...	142·25	...	...

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	CARNARVON—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—GLASLYN—(*contd.*).								
M	Snowdon (Glaslyn)	No. 3 N. Wales Power Co., Ltd. ...	5	0 8	2050	...	137·35	...	...
M	Snowdon (Teryn)	No. 1 N. Wales Power Co., Ltd. ...	5	1 0	1080	...	134·48	...	...
d	Snowdon (Llydaw Intake) ...	No. 10 N. Wales Power Co., Ltd.	5	1 0	1480	...	128·13	...	...
W	Snowdon (L. Llydaw Copper Mine) 9...	N. Wales Power Co., Ltd. ...	5	1 5	1480	...	138·09	...	...
M	Snowdon (Grib Goch No. 8)	N. Wales Power Co., Ltd. ...	5	1 3	2340	...	146·10	...	...
	ANGLESEY. (Area, 275 sq. mi.)								
D	Bryn-siencyn (Trefarthen)	Miss E. Meyrick	5	1 0	30	...	32·76	168	141
	Llangadwaladr (Bodorgan)	Sir George Meyrick, Bt. ...	5	1 0	100	37·5	36·06	171	136
	Plas Cadnant	Mr. Spoddy	5	1 3	156	...	36·38	172	134
d	Llangefni (Glanaber)	M. Spencer Rogers, Esq., C.E.	8	1 2	70	...	37·05	...	136
d	Llansadwrn (Treffos)	C. Panton Vivian, Esq. ...	5	... ...	318	...	39·41	...	135
d	Llangwyllog (Trescawen)	G. H. Pritchard-Rayner, Esq.	5	1 0	239	42·2	38·92	...	...
D	HOLYHEAD (VALLEY)	Meteorological Office ...	8	1 0	26	...	33·28	191	142
D	HOLYHEAD (Salt Island) ... (+A)	Meteorological Office ...	5	1 0	26	34·9	33·67	194	145
D	Llanerchymedd (Llwydiarth Esgob) ...	E. Thomas, Esq.	5	1 0	175	38·1	38·51	180	158
D	Marian Glas (Old Parcian)	M. R. Macnab, Esq. ...	5	1 0	150	...	40·50	188	149
	Amlwch (Dyffryn Adda)	Mr. Senogles	5	1 3	178	36·3	34·88	184	149
	ISLE OF MAN. (Area, 227 sq. mi.)								
D	Ronaldsway Airport	Meteorological Office ...	5	1 0	55	...	34·58	176	138
D	Ballagawne Reservoir	T. C. Greenfield, Esq., B.Sc.	5	1 0	365	...	39·81	201	152
W	Douglas (Cringle Reservoir)	T. C. Greenfield, Esq., B.Sc.	5	1 0	500	...	45·11	...	...
D	DOUGLAS (Borough Cemetery) ...	Borough Surveyor	5	1 0	284	41·2	43·94	200	159
D	Douglas (Clypse Reservoir, Onchan)...	Water Engineer	8	1 0	440	43·9	42·79	217	164
D	West Baldwin Reservoir	Water Engineer	5	1 0	475	*55·7*	55·61	208	171
M	§Sulby Glen (Block Eary)	T. C. Greenfield, Esq., B.Sc.	5	1 6	620	...	63·16	...	...
	Maughold Head	Com'rs. of N. Lighthouses	5	0 6	230	...	40·40	177	151
D	Sulby Filter House	T. C. Greenfield, Esq., B.Sc.	5	2 6	106	...	48·63	189	148
d	Ramsey (Town Hall)	Town Surveyor	8	15 0	30	...	45·03	...	...
D	POINT OF AYRE	Lightkeeper (M.O.)... ...	8	1 0	30	...	37·82	173	150
	CHANNEL ISLANDS. (Area, 76 sq. mi.)								
	JERSEY. 45 sq. mi.								
D	La Rocque (Sandhurst)	H. C. Bisson, Esq.* ...	5	1 6	10	...	26·46	163	112
D	St. Saviour's (Petit Menage) ...	G. J. Robin, Esq.	5	0 10	30	...	35·28	168	135
D	St. Heliers (Harbour Office)	Harbour Master*	8	1 0	28	...	31·87	154	116
D	St. Heliers (St. Louis Observatory) ...	Rev. Father C. Rey, S.J.* ...	8	1 5	180	*30·4*	33·19	174	125
D	St. Brelade (La Sergenté)	W. Benest, Esq.*	5	1 4	194	...	35·52	180	136
D	St. Lawrence (Beaumont Marsh) ...	R. Burrow, Esq.	5	1 0	60	...	36·47	158	135
D	Millbrook	R. Burrow, Esq.	5	1 11	53	...	34·26	156	123
D	Mont au Prête (Belmont)	W. H. L. Ewatt, Esq.* ...	5	1 7	250	...	35·08	175	130
D	St. Ouen's Manor	Sir Guy Malet de Carteret*	...	... ...	...	...	31·71	162	129
D	Handois Reservoir	R. Burrow, Esq.	5	1 0	272	...	37·59	174	138
D	Trinity (States Experimental Farm) ...	States of Jersey*	5	0 10	340	...	35·86	138	120
D	St. Ouen (Vinchelez)	F. le Maistre, Esq.* ...	5	0 11	260	...	34·80	173	122
	GUERNSEY. 25 sq. mi.								
D	Les Quartiers	A. Higgs, Esq.	5	1 2	50	...	29·74	161	124

* *Per* R. Burrow, Esq. § Turf wall round gauge.

Scotland

DIVISION XII—SOUTHERN COUNTIES

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	WIGTOWN. (Area, 488 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—LOCH RYAN. 46 sq. mi.								
D	Castle Kennedy (Lochinch) ...	... Earl of Stair	8	1 0	85	...	43·34	205	166
	2.—WESTERN GALLOWAY. 44 sq. mi.								
D	Logan House	... Mr. R. McGuffog	8	1 3	80	37·3	40·07	225	181
	Corsewall	... Com'rs. of N. Lighthouses	5	1 6	48	...	36·57	183	154
	3.—LUCE BAY. 186 sq. mi.								
D	Port William (Monreith) ...	... W. J. Milne, Esq.	5	1 0	145	38·5	43·06	204	164
W	Glenluce (Dunragit)	... Dept. of Agriculture ...	5	1 0	341	...	41·65	...	...
D	Glenluce (Camrie Reservoir) ...	... D. Stott, Esq.	5	1 2	323	...	45·20	200	169
	4.—CREE & WIGTOWN BAY. 212 sq. mi.								
d	Garlieston (Galloway House) ...	... P. H. Fletcher, Esq. ...	5	0 11	30	39·1	43·16	...	146
D	Garlieston (Culderry)	... Capt. A. Walmsley ...	5	1 0	25	...	42·15	185	151
D	Kirkcowan (Craighlaw) ...	... Mrs. S. R. Fleming-Hamilton	5	1 0	300	48·3	51·13	214	180
D	Newton Stewart (Little Barraer)	... H. P. Hawthorne, Esq. ...	5	1 0	180	44·8	45·96	198	167
D	Newton Stewart (Duncree) ...	... Maj.-Gen. Sir Keith Stewart	5	1 0	125	...	48·09	202	160
	KIRKCUDBRIGHT. (Area, 902 sq. mi.)								
	1.—DOON. 16 sq. mi.								
	Rig of Millmore	... Galloway Water Power Co.	5	1 0	1450	...	(72·37)	...	...
	2.—CREE & WIGTOWN BAY. 222 sq. mi.								
W	Kirroughtree Forest	... J. McK. Graham, Esq. ...	5	1 3	350	...	48·11	...	...
	3.—DEE. 377 sq. mi.								
D	TONGLAND Power Station ...	... Galloway Water Power Co.	5	1 0	69	...	46·05	177	163
D	Threave	... Major A. F. Gordon ...	5	1 0	275	...	52·88?	175	156
d	Mossdale (Hensol)	... Marchioness of Ailsa ...	8	1 0	200	51·7	(56·71)	(191)	(167)
D	Laggan of Dee	... Galloway Water Power Co.	5	1 0	550	...	67·06	189	160
D	Clatteringshaws (Tunnel Intake)	... Galloway Water Power Co.	5	1 0	600	70·5	68·36	201	169
D	New Galloway(Wellwood) ...	... W. McClure, Esq.	5	1 0	232	...	57·79	200	165
D	Craigencallie	... Galloway Water Power Co.	5	1 0	740	80·1	77·71	217	180
	Loch Dee	... Galloway Water Power Co.	5	1 0	800	81·5	79·86	...	...
D	Dalry (GLENLEE)	(+A) Galloway Water Power Co.	5	1 0	181	...	61·76	196	164
D	Dalry (Garroch)	... Arthur Young, Esq. ...	8	1 0	250	59·7	66·86	193	170
D	Dalry (Glendarroch)	... Miss M. Barbour	5	2 0	190	54·5	54·21	209	166
D	Dalry (Forrest Lodge)	... Sir John Wood, Bart. ...	5	1 0	500	63·2	72·02	245	194
	Carsphairn (Shiel)	... Galloway Water Power Co.	5	1 0	825	73·9	(63·54)	...	...
D	Carsphairn (Fingland)	... Galloway Water Power Co.	5	1 0	940	51·1	56·26	221	169
D	Carsphairn (The Knowe) ...	... J. A. Hunter, Esq.	8	2 0	550	...	56·72	196	170
d	Carsphairn (Cornharrow) ...	... Galloway Water Power Co.	5	1 0	810	53·6	(56·22)	...	...
d	Carsphairn (Moorbrock) ...	... Galloway Water Power Co.	5	0 9	1000	64·0	(64·74)	...	...
d	Carsphairn (Knockengarroch)	... Galloway Water Power Co.	5	1 0	740	58·2	(56·20)	(217)	(174)
D	Carsphairn Moor	... Galloway Water Power Co.	5	1 0	790	65·6	58·81	220	173
	4.—URR & C. 196 sq. mi.								
d	Auchencairn (Daffin Cottage)	... Mr. J. H. Milligan	5	1 3	50	...	47·55	173	160
	Auchencairn (Torr House) ...	... Thomas Ovens, Esq. ...	5	1 0	50	47·1	47·47	...	...
D	Castle Douglas (Corbieton) ...	... Miss A. G. Biggar	5	0 9	175	...	46·32	172	145
D	Chipperkyle	... Lt.-Col. J. A. Pollok Morris	5	1 6	310	...	47·86	160	145

DIVISION XII—SOUTHERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·01 in. or more
	KIRKCUDBRIGHT—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	5.—NITH & C. 91 sq. mi.								
D	Lochrutton (Dumfries W.W.)	J. R. Whyte, Esq.	5	1 0	273	44·0	46·45	198	157
d	Carruchan	Mrs. Clark-Maxwell	5	1 0	73	...	43·85	(190)	(160)
D	Glenkiln Reservoir	J. R. Whyte, Esq.	5	1 0	450	...	54·35	173	155
	DUMFRIES. (Area, 1,074 sq. mi.)								
	1.—CLYDE. Right Bank Tributaries. 5 sq. mi.								
	2.—URR. 6 sq. mi.								
	3.—NITH & C. 421 sq. mi.								
D	RUTHWELL (Comlongon Castle)	The Earl of Mansfield	5	1 0	67	35·5	34·66	167	134
D	§DUMFRIES (Crichton Royal Inst.)	Physician Superintendent	5	1 0	140	39·1	43·30	192	140
D	Blackwood	T. H. Kennedy, Esq.	5	1 6	100	41·1	42·89	210	161
D	Maxwelton House	Maj-Gen. Sir J. E. Laurie, Bt.	5	1 0	350	...	42·75	194	157
	Whiteside Hill	J. C. Wylie, Esq., B.Sc., C.E.	5	1 0	1680	...	75·14	...	...
	Euchanhead	J. C. Wylie, Esq., B.Sc., C.E.	5	1 0	1370	...	80·84	...	...
D	Euchan Bank	J. C. Wylie, Esq., B.Sc., C.E.	5	1 0	1080	...	71·20	234	181
D	Durrisdeer (Drumlanrig)	W. E. Bourne, Esq.	5	0 9	191	43·6	49·72	229	164
	4.—ANNAN. 367 sq. mi.								
d	Dalton (Kirkwood)	Captain J. Steel	5	1 8	260	...	38·17	...	155
D	Moffat (Auchen Castle)	Sir W. R. Younger, Bt.	5	1 0	480	...	53·81	154	138
	5.—ESK. 275 sq. mi.								
D	Eaglesfield (Springkell Gardens)	Col. Sir E. A. Johnson-Ferguson, Bt.	5	1 0	303	41·3	41·12	195	151
D	Canonbie (Irvine House)	Sir J. H. Milne Home	5	0 9	200	46·5	42·75	200	155
D	Langholm (Arkleton Gardens)	Mr. J. B. Robertson	5	1 0	445	...	48·34	216	154
D	Eskdalemuir (Sandyford)	County Engineer	5	1 0	728	...	45·40	209	158
M	§Eskdalemuir (Fauldbrae)	County Engineer	5	1 0	930	...	46·15	...	...
M	§Eskdalemuir (Cairn Knowe)	County Engineer	5	1 0	1107	...	56·08	...	...
M	Eskdalemuir (Blackeskhead)	County Engineer	5	1 0	797	...	50·61	...	...
M	§Eskdalemuir (Peat Rig)	County Engineer	5	1 0	1251	...	60·02	...	...
M	Eskdalemuir (Garwaldshiels)	County Engineer	5	1 0	941	...	55·51	...	...
M	§Eskdalemuir (Monkingshaw Knowe)	County Engineer	5	1 0	1054	...	59·11	...	...
M	§Eskdalemuir (Jock's Shoulder)	County Engineer	5	1 0	1757	...	61·23	...	...
D	Eskdalemuir (Kiddamhill)	County Engineer	5	1 0	905	...	56·72	221	166
D	ESKDALEMUIR Observatory (+A)	Meteorological Office	8	1 4	794	56·3	54·35	227	163
M	Eskdalemuir (Cauld Law Grain)	County Engineer	5	1 0	1302	...	65·85	...	...
M	§Eskdalemuir (Loch Fell)	County Engineer	5	1 0	2228	...	76·69?	...	...
M	Eskdalemuir (Pengrain)	County Engineer	5	1 0	1118	...	62·39	...	...
	ROXBURGH. (Area, 666 sq. mi.)								
	1.—NORTH TYNE. 6 sq. mi.								
	2.—TWEED. LOWER. Right Bank Tributaries. 57 sq. mi.								
D	Yetholm (Old Graden)	P. S. Short, Esq.	5	1 0	500	...	30·41	212	136
	3.—TWEED. Teviot & c. 431 sq. mi.								
D	Hawick (Wolfelee)	Mrs. Fawcett	5	1 0	537	37·6	38·88	177	156
D	Hawick (Westerdykes)	C. W. Grieve, Esq.	5	1 1	320	...	33·95	205	157

§ Turf wall round gauge.

DIVISION XII—SOUTHERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	ROXBURGH—(*contd.*).		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	3.—TWEED. Teviot & c.—(*contd.*).								
D	Denholm (Spital Tower)	J. G. Leadbetter, Esq.	5	0	425	32·7	29·31	221	158
D	Jedburgh (Jedneuk)	Capt. J. S. Aikman, M.C.	5	1	268	26·3	23·92	182	130
D	Crailing	Major J. A. Paton	5	1	190	27·6	25·44	212	138
d	Ancrum (Monteviot)	Capt. J. S. Aikman, M.C.	5	1	210	29·8	24·38	...	125
D	Melrose (Bowden, Kippilaw)	Mr. W. A. Henderson	5	1	500	...	28·58	203	149
D	St. Boswells (Hawthornden)	Miss B. Danford	5	1	300	...	28·05	205	142
	4.—TWEED. Ettrick & c. 10 sq. mi.								
D	Melrose (Asylum)	T. C. Mitchell, Esq.	5	1	480	30·8	26·91	211	143
	5.—TWEED. Gala. 6 sq. mi.								
	6.—TWEED. Leader & c. 25 sq. mi.								
	7.—TWEED. LOWER. Left Bank Tributaries. 25 sq. mi.								
D	KELSO (FLOORS)	Thos. Hall, Esq.	5	1	195	26·0	29·41	208	146
D	Kelso (Hendersyde Park)	The Rt. Hon. Countess Peel	5	0	180	...	27·76	194	138
	8.—ESK. 106 sq. mi.								

DIVISION XIII—SOUTH-EASTERN COUNTIES

	SELKIRK. (Area, 268 sq. mi.)								
	1.—TWEED. Teviot & c. 34 sq. mi.								
	2.—TWEED. Ettrick & c. 192 sq. mi.								
D	Ettrick Manse	Rev. Dr. W. Addison	5	1	2	787	55·6	52·28	204	155
M	Edinburgh W.W. (Megget Head)	Edinburgh Water Engineer	8	1	6	1496	54·5	64·81	...	...
	3.—TWEED. UPPER. Right Bank Tributaries. 17 sq. mi.								
	4.—TWEED. UPPER. Left Bank Tributaries. 19 sq. mi.								
D	Caddonfoot (Fairnilee)	Mr. A. Bruce	5	1	0	450	32·5	32·82	211	163
D	Galashiels (The Peel, Clovenfords)	Mr. Robert Orr	5	1	0	450	35·5	36·13	204	147
	5.—TWEED. Gala. 6 sq. mi.								
	PEEBLES. (Area, 348 sq. mi.)								
	1.—TWEED. UPPER. Right Bank Tributaries. 127 sq. mi.								
M	Edin W.W. (Ravenscraig) No. 3	Edinburgh Water Engineer	8	1	6	2258	81·1	82·38	...	...
M	§Edin. W.W. (Ballaman Hill)	Edinburgh Water Engineer	5	1	6	1700	...	60·00	...	...
M	Edin. W.W. (Gameshope Loch) No. 4	Edinburgh Water Engineer	8	1	6	1860	68·2	71·37?	...	...
M	Edin. W.W. (Garelot Dod)	Edinburgh Water Engineer	5	1	6	2200	...	69·10*	...	...
M	§Edin W.W. (Loch Craig Head) No. 2	Edinburgh Water Engineer	8	1	6	2627	73·1	78·01	...	...
M	Edin. W.W. (Fruid Farm)	Edinburgh Water Engineer	5	1	6	1020	...	(50·30)	...	...
M	§Edin. W.W. (Shiel Hope)	Edinburgh Water Engineer	5	1	6	1300	...	52·40	...	...
M	Edin. W.W. (Hawkshaw)	Edinburgh Water Engineer	5	1	6	1100	...	(52·40)	...	...
M	Edin. W.W. (Upper Menzion)	Edinburgh Water Engineer	5	1	6	1020	...	(49·90)	...	...
M	§Edin. W.W. (The Rig)	Edinburgh Water Engineer	5	1	6	1150	...	49·30	...	...
M	§Edin. W.W. (Quarter Hill) No. 7	Edinburgh Water Engineer	8	1	0	1196	46·4	(48·84)	...	...
D	Edin. W.W. (Victoria Lodge) No. 8	Edinburgh Water Engineer	5	1	3	900	50·0	50·48	228	170

§ Turf wall round gauge.

DIVISION XIII—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	PEEBLES—(*contd.*).		*in.*	*ft.*	*in.* *t.*	*in.*	*in.*		
	2.—TWEED. UPPER. Left Bank Tributaries. 192 sq. mi.								
D	Stobo Castle	H. Hughes, Esq.	5	1	0 594	34·9	36·70	203	155
D	PEEBLES (Kingsmeadows)	H. N. Mitchell, Esq.	5	1	0 525	...	32·24	181	146
D	West Linton (Woodlea Cottage)	Edinburgh Water Engineer	5	0	11 801	35·7	35·51	214	159
D	WEST LINTON (Cairnton)	Dr. R. Graham Yooll	5	1	0 820	38·6	35·45	207	157
D	West Linton (Baddingsgill Res.)	T. Aitken, Esq.	8	1	0 1100	44·6	40·15	230	166
	3.—ESK. 23 sq. mi.								
D	Eddlestone (Portmore Reservoir)	Edinburgh Water Engineer	5	0	6 1000	35·2	37·26	230	156
D	Carlops (North Esk Reservoir)	J. Gilmour, Esq.	5	1	0 1150	39·5	38·22	217	165
	4.—CLYDE. Right Bank Tributaries. 6 sq. mi.								
	BERWICK. (Area, 457 sq. mi.)								
	1.—TWEED. Gala. 6 sq. mi.								
	2.—TWEED. Leader. 92 sq. mi.								
d	Earlston (Cowdenknowes)	T. A. Mole, Esq.	5	1	3 300	28·8	29·36	...	...
	3.—TWEED. LOWER. Left Bank Tributaries. 115 sq. mi.								
D	Coldstream (Lochton)	Mrs. Aitchison	5	1	0 150	25·9	25·24	200	133
D	Swinton House	(+A) Rev. A. E. Swinton, M.A.	5	1	0 200	26·4	25·39	202	142
d	Paxton (Tweedhill)	C. H. Brackenbury, Esq.	5	1	0 50	...	23·69	...	...
	4.—TWEED. Whiteadder. 164 sq. mi.								
D	MARCHMONT House	Capt. J. H. F. McEwen, M.P.	5	1	0 498	32·2	29·93	203	148
D	Duns (Oxendean)	A. C. Fraser, Esq.	5	1	0 600	...	29·40	196	155
D	Duns Castle	Mrs. F. S. Hay	5	1	0 500	30·8	30·86	202	159
D	Duns (Manderston)	Mr. P. Dalgleish	5	2	6 353	30·7	30·32	199	143
D	Longformacus (Whitchester)	Mrs. Laudale	5	1	0 838	...	29·54	199	153
	5.—EAST COAST STREAMS. 80 sq. mi.								
D	ST. ABB'S HEAD (Shore Signal Stn.)	Chief Officer (M.O.)	8	1	0 270	...	24·51	186	133
d	Cockburnspath (Redheugh)	T. S. Dykes, Esq.	5	1	0 288	...	28·64	...	...
	EAST LOTHIAN. (Area, 267 sq. mi.)								
	1.—TWEED. Leader. 1 sq. mi.								
	2.—TWEED. Whiteadder. 35 sq. mi.								
	3.—EAST COAST STREAMS. 69 sq. mi.								
w	Garvald (Thorter Reservoir)	Adam Robson, Esq.	5	1	0 725	...	27·87	...	...
D	DUNBAR (Public Park)	Burgh Surveyor	5	1	0 75	...	21·32	187	132
	4.—TYNE & C. 114 sq. mi.								
d	Lammermuir H. (West Hopes)	Adam Robson, Esq.	5	1	0 736	34·4	32·88	...	...
w	Lammermuir H. (Stobshiel Res.) B	Adam Robson, Esq.	5	1	0 950	33·0	30·56	...	...
	5.—FIRTH OF FORTH. 48 sq. mi.								
D	East Fortune Sanatorium	The Clerk of Works	5	1	4 101	23·5	21·49	169	114
D	North Berwick Reservoir	A. Robertson, Esq., C.E.	5	1	0 150	25·4	25·28	190	139
D	NORTH BERWICK (Gas Works)	Town Council	5	1	0 118	24·1	23·84	171	123
	6.—INSULAR.								
	Fidra Lighthouse	Com'rs. of N. Lighthouses	5	2	0 40	21·0	22·71	...	124

DIVISION XIII—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	MIDLOTHIAN. (Area, 369 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—TWEED. Gala. 68 sq. mi.								
D	Stow (Cragdale)	A. H. Fairgrieve, Esq. ...	5	0 6	642	33·0	34·32	201	153
	2.—TYNE. 28 sq. mi.								
D	Blackshiels (Faladam)	Dr. Leonard Dobbin ...	5	1 0	600	...	32·55	206	148
	3.—FIRTH OF FORTH. 3 sq. mi.								
	4.—ESK. 116 sq. mi.								
M	Moorfoot Hills (Bowbate) *new g.*	... Edinburgh Water Engineer	5	1 0	1260	...	42·02	...	...
D	Moorfoot Hills (Gladhouse Res.)	... Edinburgh Water Engineer	5	0 6	915	35·3	37·78	220	159
D	Moorfoot Hills (Rosebery) ...	... Edinburgh Water Engineer	5	0 6	750	32·1	32·41	195	155
D	Moorfoot Hills (Edgelaw) ...	... Edinburgh Water Engineer	5	0 6	654	31·9	29·63	183	139
D	PENICUIK	... Dr. J. T. Baldwin	5	1 0	620	...	36·59	206	156
D	Gorebridge	... W. Esson, Esq.	5	1 0	560	29·3	27·46	170	130
M	Pentland Hills (Harehill) ...	... Edinburgh Water Engineer	5	1 2	1297	...	36·89	...	...
D	Pentland Hills (Martyrs Cross)	... Edinburgh Water Engineer	5	1 0	750	35·5	34·85	218	156
d	Rosewell	... R. Wadsworth, Esq. ...	5	1 0	480	...	29·69	(204)	(134)
D	Pentland Hills (Loganlea) ...	... Edinburgh Water Engineer	5	1 0	811	38·5	36·10	201	154
D	Pentland Hills (Glencorse Filters)	... Edinburgh Water Engineer	5	0 11	638	35·0	33·95	200	146
D	Pentland Hills (Glen Cottage)	... Edinburgh Water Engineer	5	1 3	739	35·2	35·66	198	148
D	Newbattle (Public School) ...	... C. D. Walinck, Esq., M.A.	5	1 0	300	25·7	26·39	170	134
	5.—ALMOND & C. 153 sq. mi.								
D	Pentland Hills (Crosswood) ...	... Edinburgh Water Engineer	5	0 10	950	39·5	38·32	226	164
D	Pateshill Reservoir	... Water Superintendent ...	5	1 3	900	...	37·65	209	159
D	Pentland Hills (Harperrig) ...	... Edinburgh Water Engineer	5	1 0	900	38·8	39·80	207	161
D	Pentland Hills (Morton) ...	... Messrs. J. & A. Leslie & Reid	5	1 0	749	37·4	36·82	220	159
d	West Calder (Addiewell) ...	... Scottish Oils, Ltd.	12	21 0	620	35·7	36·07	...	...
D	BOGHALL	(+A) Edin. & E. of S. Coll. of Ag.	8	1 0	639	33·1	32·26	192	135
D	BALERNO (Shothead)	... Inst. of Animal Genetics ...	5	1 0	750	...	37·29	210	158
M	Pentland Hills (Bonaly Reservoir)	... Edinburgh Water Engineer	11	0 8	1112	33·9	34·30	...	...
D	Pentland Hills (Clubbiedean Res.)	... Edinburgh Water Engineer	5	1 0	773	30·4	30·37	198	145
	Pentland Hills (Swanston) ...	... Edinburgh Water Engineer	5	1 0	645	31·6	28·23?	...	...
D	Fairmilehead (Frogston Road)	... J. Aitchison, Esq.	5	1 0	600	...	29·50	198	133
D	Fairmilehead (Waterworks) ...	... Edinburgh Water Engineer	5	1 0	590	30·8	29·83	183	130
D	Liberton (Alnwick Hill) ...	... Edinburgh Water Engineer	5	1 0	407	28·5	26·26	190	132
	Liberton (Hawkhead Grove) ...	... G. M. Stuart, Esq., M.B.E.	5	1 0	400	...	27·27	...	...
D	Colinton (Firhill Tank) ...	... Edinburgh Water Engineer	5	0 10	412	29·0	29·78	219	143
D	LIBERTON (College Farm) ...	... Edin. & E. of S. Coll. of Ag.	5	1 0	190	27·7	24·96	175	129
D	Edinburgh (Hermitage of Braid)	... J. T. Jeffrey, Esq.	5	1 0	300	...	27·93	179	137
d	Edinburgh (Craiglockhart) ...	... I. C. Hedge, Esq.	5	1 0	295	...	29·67	...	...
D	EDINBURGH (BLACKFORD HILL)	... Astronomer Royal for Scot.	8	1 0	441	26·3	25·92	199	128
D	Edinburgh (Gogar Park) ...	... late Mrs. Robert Cross ...	5	1 0	155	...	26·55	168	124
d	Edinburgh (Napier Road) ...	... Mrs. H. G. Harrison ...	5	1 0	300	26·2	27·92	...	134
d	Edinburgh (The Academy) ...	... W. P. D. Wightman, Esq., Ph.D., M.Sc.	5	1 0	70	25·9	24·89	...	...
D	*Edinburgh (Astley Ainslie Inst.)	... Medical Superintendent ...	5	1 0	270	27·7	26·39	154	133
D	EDINBURGH (ROYAL BOTANIC GDN.)	... Prof. Sir W. Wright-Smith	5	1 0	74	26·5	25·76	175	131
D	Davidson's Mains (Easter Park)	... J. W. Younger, Esq. ...	5	1 0	200	...	27·65	198	132
d	Edinburgh (Granton)	... H. Macpherson, Esq. ...	5	0 10	70	...	26·82	...	129
	6.—CLYDE. Right Bank Tributaries. 1 sq. mi.								

* Station formerly called Edinburgh (St. Roque).

DIVISION XIII—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	WEST LOTHIAN. (Area, 120 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—ALMOND & C. 60 sq. mi.								
M	Uphall	No. 7 Edinburgh Water Engineer	8	1 4	646	...	33·45	...	...
M	Uphall	No. 8 Edinburgh Water Engineer	8	1 4	577	32·7	32·75	...	...
d	Uphall (Middleton Hall)	Scottish Oils, Ltd.	8	1 0	350	31·4	31·43	...	129
D	Uphall (Houstoun House)	The Hon. Mrs. Lindsay ...	5	1 0	420	...	33·69	186	149
D	Dalmeny House	The Earl of Rosebery ...	5	0 6	20	25·9	30·85	177	138
	2.—FORTH. Right Bank Tributaries. 59 sq. mi.								
D	Blackridge (Bedlormie)	D. Tennant, Esq.	5	1 0	720	...	37·85	205	153
D	Armadale (Stonerigg Filters)	Water Superintendent ...	5	1 0	620	...	32·70	192	150
D	Armadale Sewage Works	Burgh Engineer	5	1 0	417	...	33·82	197	146
D	Bathgate (Northbank Filters) ...	J. Spalding, Esq.	5	0 9	640	33·2	33·65	197	137
D	Torphicen (Lochcote)	Wm. Beattie, Esq.	5	0 9	550	33·5	36·28	205	157
M	Carribber Reservoir	Wm. Beattie, Esq.	5	0 9	350	33·1	35·72	...	...
w	Linlithgow (Cockleroi Res.)	Burgh Surveyor	5	1 0	587	...	34·06	...	...
D	Linlithgow (Preston House)	Head Gardener	5	1 0	380	32·6	34·27	200	142
D	Linlithgow (Grange)	Col. H. M. Cadell	5	1 0	440	30·2	31·51	203	142
	3.—CLYDE. Right Bank Tributarles. 1 sq. mi.								
	LANARK. (Area, 881 sq. mi.)								
	1.—TWEED. UPPER. Left Bank Tributaries. 20 sq. mi.								
	2.—ALMOND. 14 sq. mi.								
	3.—FORTH. Right Bank Tributaries. 9 sq. mi.								
D	Airdrie (Forrestburn Reservoir) ...	T. Aitken, Esq.	5	1 0	700	37·1	30·23	209	146
	4.—CLYDE. Right Bank Tributaries. 378 sq. mi.								
D	Crawford (Camps Reservoir) ...	M. S. Neilson, Esq. ...	11	0 10	969	44·9	48·55	208	166
D	Crawford (Camps Reservoir) ... (+A)	M. S. Neilson, Esq. ...	5	0 10	969	43·8	45·49	208	166
D	Biggar (Huntfield)	Miss Dunlop	5	1 0	900	31·5	31·58	202	137
D	Lamington House	Rt. Hon. Lord Lamington	5	1 0	730	36·9	37·73	190	155
D	Carluke (Coldstream Reservoir) ...	L. Costley, Esq., C.E. ...	5	1 0	800	...	32·11	198	152
	Carluke	J. Barr, Esq....	5	0 8	630	...	30·04	...	...
D	CARLUKE (Law Junction)	Dr. W. A. Galbraith ...	5	1 0	534	...	30·87	194	140
w	Carluke (Springfield Reservoir) ...	L. Costley, Esq., C.E. ...	5	1 0	860	39·5	33·78	...	...
D	Carluke (Gair Reservoir)	L. Costley, Esq., C.E. ...	5	1 0	665	34·9	29·39	174	140
	Wishaw (Coronation Street)	A. Hinshelwood, Esq. ...	5	1 3	510	...	32·12	...	...
D	Shotts Reservoir)	M. S. Neilson, Esq. ...	5	1 0	839	...	35·60	178	150
D	Glasgow (Rutherglen)	F. C. Thomson, Esq. ...	5	1 0	100	...	41·77	211	151
D	Glasgow (Tollcross Park)	G. H. Garside, Esq. ...	5	1 0	84	37·4	36·69	197	147
D	Glasgow Green	G. H. Garside, Esq. ...	5	0 6	35	36·0	39·23	191	147
D	Glasgow (Alexandra Park)	G. H. Garside, Esq. ...	5	0 6	141	36·0	37·22	189	152
D	Glasgow (Botanic Gardens)	G. H. Garside, Esq. ...	5	0 6	110	34·7	34·47	195	148
D	Glasgow (Kelvingrove Park)	G. H. Garside, Esq. ...	5	0 6	48	36·1	37·18	193	150
D	Glasgow (Victoria Park)	G. H. Garside, Esq. ...	5	0 6	30	36·1	38·46	194	157
D	Glasgow (Ruchill Park)	G. H. Garside, Esq. ...	5	0 6	222	36·0	36·34	195	153
D	GLASGOW (SPRINGBURN PARK) ...	G. H. Garside, Esq. ...	5	0 6	351	36·9	38·63	213	161
M	Clarkston (Roughrigg Reservoir) ...	D. T. Brown, Esq., C.E. ...	5	1 0	664	35·8	34·82	...	...
D	Coatbridge (West End Park)	S. Lauder, Esq.	5	1 0	240	...	29·36	195	150
D	Coatbridge (Whifflet Public Park) ...	S. Lauder, Esq.	5	1 0	295	...	30·67	170	146
D	Coatbridge (Dunbeth Public Park) ...	S. Lauder, Esq.	5	1 0	325	...	33·52	182	147
D	Airdrie (Broomknoll Street)	D. T. Brown, Esq., C.E. ...	5	1 0	402	35·0	31·83	176	144
D	Gartcosh (Gartloch Hospital) ...	Mr. Donald McMillan ...	5	1 0	291	37·8	36·28	195	155
D	Caldercruix (Hillend Reservoir) ...	British Railways	5	1 0	621	37·3	(35·70)	162	154

DIVISION XIV—SOUTH-WESTERN COUNTIES

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with .01 in. or more	Days with .04 in. or more
	LANARK—(*contd.*).		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	5.—CLYDE. Left Bank Tributaries. 448 sq. mi.								
D	Elvanfoot (Peden Res.)	L. Costley, Esq., C.E.	5	1	964	...	62·26	182	163
d	Douglas (Monksfoot)	T. Steele, Esq.	5	1	780	...	39·91	...	...
D	Douglas (Newmains)	The Earl of Home	8	1	780	...	37·71	217	165
D	Strathaven (Glengavel Reservoir)	M. S. Neilson, Esq.	5	1	839	47·9	51·85	220	170
D	Symington (Birkwood)	Col. D. E. Brand, D.S.O.	5	1	725	...	33·32	204	150
D	Strathaven (DUNGAVEL)	Duke of Hamilton & Brandon	5	1	798	43·9	40·90	234	168
D	Strathaven (Dunside Res.)	M. S. Neilson, Esq.	5	0	1010	46·4	49·63	224	170
D	Strathaven (Dunside Res.) *new site*	M. S. Neilson, Esq.	5	1	1002	46·3	51·22	224	170
D	Strathaven (Kype Res.)	George Allison, Esq.	5	1	941	46·6	47·75	214	171
D	Stonehouse (Sanatorium)	County Road Surveyor	5	0	526	36·6	38·84	216	142
D	Stonehouse (Glassford Filters)	M. S. Neilson, Esq.	5	0	775	39·8	41·99	212	162
D	Hamilton W.W. (Townhill)	George Allison, Esq.	5	1	430	35·6	34·98	186	149
D	Hamilton (Woodview Terrace)	W. Fletcher, Esq.	5	1	200	...	33·04	178	141
D	Hamilton (Woodlea)	W. Fletcher, Esq.	5	1	192	...	33·54	183	145
D	Carmunnock (Carnbooth)	R. Robertson, Esq., LL.D.	5	1	365	39·8	41·77	192	151
D	Cambuslang (Greenlees Filters)	M. S. Neilson, Esq.	5	1	322	36·3	35·96	205	144
D	Glasgow (Bellahouston Park)	G. H. Garside, Esq.	5	0	80	34·6	41·40	197	152
D	Glasgow (Elder Park)	G. H. Garside, Esq.	5	0	25	37·0	40·92	197	153
	6.—IRVINE. 2 sq. mi.								
	7.—AYR. 1 sq. mi.								
	8.—NITH. 2 sq. mi.								
	9.—ANNAN. 7 sq. mi.								
	AYR. (Area, 1,135 sq. mi.)								
	1.—CLYDE. Left Bank Tributaries. 7 sq. mi.								
	2.—FIRTH OF CLYDE. 60 sq. mi.								
D	Ardrossan (Mill Glen Filters)	H. R. Seaton, Esq.	5	1	167	...	42·72	188	163
D	Stevenston (Greenhead Filters)	W. G. Guild, Esq.	5	1	186	41·6	41·73	192	165
	Ardrossan (Busbie Reservoir)	H. R. Seaton, Esq.	5	1	370	...	46·63	...	...
	West Kilbride (Crosbie Reservoir)	W. Gray, Esq.	5	1	400	...	41·57	...	...
D	West Kilbride (Hunterston)	Lt.-Gen. Sir A. Hunter-Weston, K.C.B.	5	1	40	42·4	44·10	197	159
	Fairlie (Water Works)	W. Gray, Esq.	5	1	270	...	49·71	...	...
D	Largs (Stevenson Institute)	G. Arkieson, Esq.	5	1	20	...	44·43	181	162
D	Largs (Woodbank)	A. Simpson, Esq.	5	1	25	...	46·59	199	167
D	Largs (South Routenburn)	A. K. Gordon, Esq.	5	1	150	...	44·69	198	162
D	Largs (Middleton Filters)	G. Arkieson, Esq.	5	1	230	52·0	47·39	197	166
	Shaws W.W. (Knockencorsan)	J. MacAlister, Esq., C.E.	5	1	1040	...	65·80	...	...
	Shaws W.W. (Largs Road)	J. MacAlister, Esq., C.E.	5	1	910	*57·0*	64·00	...	...
	3.—IRVINE & C. 296 sq. mi.								
D	PRESTWICK	Burgh Surveyor	5	1	17	...	33·95	195	145
D	PRESTWICK AIRPORT (+A)	Meteorological Office	5	1	30	...	34·64	180	142
D	Prestwick (Ladykirk Filters)	Burgh Surveyor	6	1	185	...	36·09	198	153
d	Symington	T. McMillan, Esq., M.A.	5	1	300	...	39·32	...	...
D	Hurlford (Carnell)	Mrs. J. B. Findlay	5	1	300	...	35·53	170	154
	Troon (Collenan Reservoir)	Burgh Surveyor	5	1	203	...	35·47	...	...
D	Treesbank	Mr. A. B. Stewart	5	1	150	...	39·78	199	160
D	Galston (Cessnock Road)	Burgh Surveyor	5	1	215	...	44·71	162	150
D	Templetonburn	L. C. Howie, Esq.	5	1	140	...	40·02	192	163

DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	AYR—(*contd.*).			*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	3.—IRVINE & C.—(*contd.*).									
D	Darvel (Kirkland Park)		R. P. Boyd, Esq.	5	0 6	419	...	40·17	204	164
D	KILMARNOCK (Kay Park)	(+A)	W. Dunbar, Esq.	5	4 0	132	...	39·84	196	158
D	Irvine (Cuninghame Home)		Governor	5	1 0	24	...	36·73	173	153
D	Kilmarnock (North Craig Res.)		W. N. McCall, Esq.	5	1 0	319	41·2	43·72	197	165
d	Montgreenan Gardens		W. Edgar, Esq.	5	0 9	180	...	41·33	...	...
	Fenwick (Whiteleehill)		W. N. McCall, Esq.	5	1 0	915	48·6	46·75	...	...
D	Fenwick (Hareshawmuir)		W. N. McCall, Esq.	5	1 0	600	48·5	42·28	206	175
	Croilburn		W. N. McCall, Esq.	5	1 0	725	...	47·90	...	...
D	Fenwick (Amlaird Filters)		W. N. McCall, Esq.	5	1 0	590	43·3	44·30	247	176
	Craigendunton Reservoir		W. N. McCall, Esq.	5	1 0	805	46·4	50·95	...	...
	Loch Goin Reservoir		W. N. McCall, Esq.	5	1 0	865	49·4	53·69	...	...
D	Blair Gardens		W. N. McCall, Esq.	5	1 0	155	...	47·01	185	161
	Moor Farm		W. N. McCall, Esq.	5	1 0	810	...	50·81	...	...
D	Stewarton Filters		C. Mc.L. Bodie, Esq.	5	1 6	515	...	45·26	204	168
D	Dalry (Munnoch Reservoir)		W. G. Guild, Esq.	5	1 0	325	47·9	48·57	206	168
D	Dalry (Caaf Reservoir)		W. G. Guild, Esq.	5	1 3	515	53·2	53·11	211	173
D	Dalry (Birkheadsteel)		W. G. Guild, Esq.	5	1 3	520	...	53·72	211	173
M	Dalry (Drum Burn)		W. G. Guild, Esq.	5	0 11	744	...	52·15	...	...
M	Dalry (South Knockendon)		W. G. Guild, Esq.	5	1 1	704	...	44·60	...	...
	Dalry (Knockendon)		W. G. Guild, Esq.	5	1 0	750	...	54·47	...	...
M	Dalry (South Bradshaw)		W. G. Guild, Esq.	5	1 1	946	...	56·00	...	...
	Dalry (Bradshaw)		W. G. Guild, Esq.	5	1 0	1050	...	(56·98)	...	...
M	Dalry (Haining)		J. A. McGregor, Esq., C.E.	5	1 0	895	...	59·00	...	...
	Dalry (Camphill Reservoir)	(+A)	J. A. McGregor, Esq., C.E.	5	1 0	611	61·2	61·13	...	...
M	Dalry (Catburn)		J. A. McGregor, Esq., C.E.	5	1 0	1013	...	63·32	...	...
M	Dalry (Whitehill)		J. A. McGregor, Esq., C.E.	5	1 0	628	...	60·50	...	...
M	Dalry (Blairpark)		J. A. McGregor, Esq., C.E.	5	1 0	722	...	62·75	...	...
M	Dalry (Rye Water)		J. A. McGregor, Esq., C.E.	5	1 0	1032	...	64·53	...	...
D	Beith (Filter Station)		W. Gray, Esq.	5	1 0	412	53·7	52·64	212	170
D	Kilbirnie (Hole House Filters)		W. Gray, Esq.	5	1 0	377	68·0	61·75	220	182
M	Kilbirnie (Pundeavon Res.) *new gauge*		W. Gray, Esq.	5	1 0	898	...	73·52	...	...
	4.—AYR. 222 sq. mi.									
D	Ayr Cemetery		Thomas O'Beirne, Esq., C.E.	5	1 0	40	34·8	34·16	181	143
D	AUCHINCRUIVE		W. Scotland Agric. College	8	1 0	147	39·0	36·47	197	148
d	Catrine		Messrs. J. Finlay & Co. Ltd.	5	1 0	300	42·6	(39·22)	...	...
D	Muirkirk (Kaimshill)		A. B. Thomson, Esq.	5	1 6	750	47·8	44·45	208	159
D	Mauchline (Auchenfail)		Mr. J. McGuffog	5	0 9	380	...	39·39	225	168
D	Mauchline (Hillhead Tank)		W. Gray, Esq.	5	1 0	564	42·8	40·36	164	149
	5.—DOON. 119 sq. mi.									
	Tunskeen		Galloway Water Power Co.	5	1 0	1010	76·2	66·33	...	...
	Loch Recawr		Thomas O'Beirne, Esq., C.E.	5	1 0	933	...	62·55	...	...
	Loch Finlas		Thomas O'Beirne, Esq., C.E.	5	1 0	849	55·1	53·31	...	...
D	Dalmellington (Mossdale Filters)		W. Gray, Esq.	5	1 0	752	48·6	51·20	231	180
D	Dunaskin (Ardoon)		Bairds & Dalmellington Ltd.	5	1 0	686	47·8	45·07	210	174
D	Patna (Kerse Filters)		W. Gray, Esq.	5	1 0	741	...	44·42	217	160
D	Maybole (Otterden)		late Mrs. Cross	5	1 3	314	43·2	40·53	207	165
	Dalrymple (Knockjarder W.W.)		Thomas O'Beirne, Esq., C.E.	5	1 0	287	42·6	38·86	...	...
D	Ayr (Doonholm)		Col. N. Kennedy, C.B.E.	5	1 0	90	38·8	40·42	221	171
	Alloway (Doonside)		Col. F. C. Dunlop	5	1 6	99	...	40·83	...	...
	6.—CULZEAN BAY & C. 32 sq. mi.									
D	TURNBERRY		J. C. Ross, Esq.	5	1 0	63	...	37·18	181	150
D	Maybole (Culzean Castle Gardens)		Mr. W. J. Orr	8	1 3	138	36·4	40·51	186	153

DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	AYR.—(*contd.*).		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	7.—GIRVAN. 105 sq. mi.								
D	Girvan (Penwhapple Res.)	Burgh Surveyor	5	1	0 662	...	47·52	213	166
w	Loch Bradan	A. Sinclair, Esq.	5	0	10 990	57·6	56·74	...	...
	8. STINCHAR & C. 155 sq. mi.								
D	Glenapp (Castle Gardens)	Mr. J. A. Macdonald	5	1	0 300	...	46·56	174	155
D	Ballantrae	D. J. W. Gray, Esq., M.B.E.	5	1	0 15	...	37·75	204	148
D	COLMONELL (Knockdolian)	D. D. Gordon for Maj. D. McConnell	5	1	0 170	44·8	38·84	177	142
w	Girvan (Glendrissaigh Res.)	Burgh Surveyor	11	0	9 266	...	39·54	...	...
	9.—LOCH RYAN. 12 sq. mi.								
	10.—LUCE BAY. 15 sq. mi.								
d	Ballantrae (Lagafater Lodge)	Cedric R. Boult, Esq.	5	0	10 800	64·8	52·85	200	180
	11.—CREE. 40 sq. mi.								
	12.—DEE. 9 sq. mi.								
	13.—NITH. 62 sq. mi.								
	Afton Res. (Afton Water)	W. Gray, Esq.	5	1	0 1525	82·7	77·25	...	...
	Afton Res. (Alwhat Burn)	W. Gray, Esq.	5	1	0 1435	84·6	78·15	...	...
	Afton Res. (Montraw Burn)	W. Gray, Esq.	5	1	0 1554	79·8	78·20	...	...
	§Afton Res. (Montraw)	W. Gray, Esq.	5	1	0 1372	78·8	76·90	...	...
	Afton Res. (Green Burn)	W. Gray, Esq.	5	1	0 1415	87·2	84·20	...	...
D	Afton Res. (Filters)	W. Gray, Esq.	5	1	0 1366	...	78·77	234	184
D	Glen Afton (Ayr Sanatorium)	Dr. Wm. A. Murray	5	1	0 833	53·2	53·41	207	166
D	New Cumnock (Power Station)	National Coal Board	5	1	0 764	55·8	52·43	200	166
	14.—INSULAR. 1 sq. mi.								
	RENFREW. (Area, 241 sq. mi.)								
	1.—CLYDE. Right Bank Tributaries. 3 sq. mi.								
	2.—CLYDE. Left Bank Tributaries. 194 sq. mi.								
M	Eaglesham (Dunwan Res.) No. 3	Geo. Sime, Esq.	5	1	0 822	55·5	49·33	...	...
	Eaglesham (Dunwan Res.) No. 4	Geo. Sime, Esq.	5	1	0 841	55·7	49·63	...	...
w	Eaglesham (Dunwan Res.) No. 2	Geo. Sime, Esq.	5	1	0 820	...	48·93	...	...
w	Eaglesham (Picketlaw Res.) No. 1	Geo. Sime, Esq.	5	1	0 690	...	49·93	...	...
D	Gorbals Dist. W.W. (Waulk Glen)	S. D. Canvin, Esq., C.E.	12	0	5 280	47·2	48·41	196	154
	Paisley W.W. (Muirhead)	J. A. McGregor, Esq., C.E.	5	1	0 482	53·9	51·75	...	...
	Paisley W.W. (Springside)	J. A. McGregor, Esq., C.E.	5	1	0 532	59·1	52·65	...	...
	Paisley W.W. (Back Thornlymuir)	J. A. McGregor, Esq., C.E.	12	1	0 646	50·9	57·21	...	...
	Paisley W.W. (Stanely)	J. A. McGregor, Esq., C.E.	5	1	0 190	...	50·75	...	...
D	Barrhead (Sewage Wks.)	Burgh Surveyor	5	1	0 100	...	44·69	184	150
d	Howwood (Midton House)	A. D. McNab, Esq.	5	1	3 232	56·9	54·98	...	163
D	Pollokshaws (Rouken Glen)	G. H. Garside, Esq.	5	0	6 155	43·2	45·10	195	148
D	Glasgow (The Linn Park)	G. H. Garside, Esq.	5	1	0 180	...	40·06	195	170
D	Pollokshaws (Pollok House)	Sir J. Stirling Maxwell, Bt.	5	1	0 50	36·5	28·83	200	153
D	Glasgow (Queen's Park)	G. H. Garside, Esq.	5	0	9 147	36·1	38·63	223	146
D	Glasgow (Maxwell Park)	G. H. Garside, Esq.	5	0	6 69	35·7	39·29	192	151
D	Lochwinnoch (Kaim Dam)	J. H. Murray, Esq., C.E.	8	1	0 616	63·2	71·23	218	183
D	Kilbarchan (Glentyan)	J. C. Hunter, Esq., J.P.	5	1	1 300	52·6	60·57	213	173
D	Johnstone (Brookfield)	Dr. Alan J. Hird	5	1	0 100	...	54·86	196	165

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	RENFREW—(*contd.*).		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	2.—CLYDE. Left Bank Tributaries—(*contd.*).								
D	Paisley (Thornly Park School)	W. K. Wallace Lees, Esq.	5	1 0	195	...	47·66	192	157
D	PAISLEY (Coats Observatory)	Obs. Com. (J. Woodrow)	8	1 0	106	40·7	46·02	199	158
	§Shaws W.W. (Duchal Moor)	J. MacAlister, Esq., C.E.	5	1 0	1150	...	77·60	...	...
	§Shaws W.W. (Creuch Hill)	J. MacAlister, Esq., C.E.	5	1 0	1350	...	74·00	...	...
	Shaws W.W. (Green Water)	J. MacAlister, Esq., C.E.	5	1 0	788	*68·1*	70·70	...	...
D	Renfrew (+A)	Meterological Office	8	1 0	29	37·0	42·37	188	154
D	Kilmacolm Waterworks	James Grier, Esq.	5	1 0	600	...	70·19	211	180
D	Kilmacolm Village	James Grier, Esq.	5	1 0	300	51·7	63·64	211	166
D	Shaws W.W. (Gryfe Reservoir)	J. MacAlister, Esq., C.E.	5	1 0	640	64·0	68·10	204	164
D	Shaws W.W. (Mansfield)	J. MacAlister, Esq., C.E.	5	1 0	573	65·2	62·83	202	158
	Shaws W.W. (Darndaff Moor)	J. MacAlister, Esq., C.E.	5	1 0	850	64·5	65·60	...	...
	3.—FIRTH OF CLYDE. 34 sq. mi.								
w	Shaws W.W. (Kelly Dam)	J. MacAlister, Esq., C.E.	5	1 0	640	63·6	60·20	...	...
	Inverkip (Daff Burn Reservoir)	W. V. Kelly, Esq.	8	1 0	506	58.4	59·68	...	...
w	Dougliehill Filters (Pt. Glas. W.W.)	I. M. MacLean, Esq., C.E.	8	1 6	550	53·4	54·91	...	...
w	Parkhill Filters (Pt. Glas. W.W.)	I. M. MacLean, Esq., C.E.	8	1 6	275	48·1	52·07	...	...
D	Shaws W.W. (Compensation Res.)	J. MacAlister, Esq., C.E.	5	1 0	600	...	62·99	218	180
D	Shaws W.W. (Loch Thom)	J. MacAlister, Esq., C.E.	5	1 0	643	65·4	66·55	218	183
w	Shaws W.W. (Shielhill)	J. MacAlister, Esq., C.E.	5	1 0	962	64·2	67·70	...	...
d	Shaws W.W. (New Yett's Dam)	J. MacAlister, Esq., C.E.	5	1 0	800	63·2	65·72	205	173
w	Shaws W.W. (Spango Burn)	J. MacAlister, Esq., C.E.	5	1 0	757	62·6	69·20	...	...
D	Shaws W.W. (Hole Glen)	J. MacAlister, Esq., C.E.	5	1 0	603	61·6	67·78	205	173
D	GREENOCK (Prospect Hill) (+A)	J. MacAlister, Esq., C.E.	5	1 0	199	58·2	59·97	199	159
D	Gourock (Coves Reservoir)	W. V. Kelly, Esq.	5	1 0	330	...	57·90	194	167
	4.—IRVINE. 10 sq. mi.								

DIVISION XV—WEST MIDLAND COUNTIES

	DUNBARTON. (Area, 270 sq. mi.)								
	1.—FORTH. Right Bank Tributaries. 10 sq. mi.								
	2.—FIRTH OF CLYDE & COWAL. 52 sq. mi.								
d	CARDROSS (Kilmahew)	Mrs. Allan	5	1 0	130	45·9	49·58	202	193
D	HELENSBURGH (Valve House)	Burgh Engineer	8	1 0	293	53·0	55·08	201	165
D	Garelochhead (Arddarroch Gdns.)	Mr. D. Macpherson	5	1 0	100	...	73·80	213	183
	3.—CLYDE. Leven. 149 sq. mi.								
d	Dumbarton (Sewage Works)	W. Wilson, Esq., C.E.	5	1 0	11	...	48·30	157	149
D	Renton (Carman Filters)	J. Collier, Esq.	8	4 0	292	46·8	47·54	188	159
D	Loch Lomond Park	G. H. Garside, Esq.	5	1 0	156	50·2	53·35	211	178
	Helensburgh (Blairnairn) No. 1	Burgh Engineer	8	1 0	575	...	(74·70)	...	...
D	Glen Finlas Reservoir No. 7	Malcolm Ross, Esq.	5	1 6	810	81·4	81·15	195	175
D	Loch Sloy (Coiregrogain)	N. of S. Hydro-Electric Bd.	5	1 0	449	...	106·24	200	191
D	Loch Sloy (Sloy Power Station)	N. of S. Hydro-Electric Bd.	5	1 0	99	...	102·00	206	204
D	Loch Sloy (Sloy Dam)	N. of S. Hydro-Electric Bd.	5	1 0	966	...	106·27	210	201
w	Ardvorlich	N. of S. Hydro-Electric Bd.	5	1 0	1123	...	106·78	...	...
	4.—CLYDE. Right Bank Tributaries. 59 sq. mi.								
D	Duntocher (Cochno Filters)	E. T. Collins, Esq.	5	1 0	400	44·2	48·14	184	169
w	Kilpatrick Hills (Greenside Res.)	E. T. Collins, Esq.	5	1 0	876	51·8	55·56	...	...
w	Kilpatrick Hills (Loch Cochno)	E. T. Collins, Esq.	5	1 0	909	52·8	57·21	...	...
w	Kilpatrick Hills (Jaw Reservoir)	E. T. Collins, Esq.	5	1 0	912	53·9	57·34	...	...

§ Turf wall round gauge.

DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	STIRLING. (Area, 463 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—FORTH. Right Bank Tributaries. 263 sq. mi.								
D	Polmont (Vellore)	R. M. W. Brown, Esq.	5	1 0	320	32·0	37·32	193	141
d	Falkirk (Inglewood, Laurieston)	Miss H. S. D. Ballantine	5	1 0	133	34·8	37·11	198	155
D	Falkirk (Westbank)	W. Gibson, Esq.	5	1 0	105	33·6	36·62	202	163
D	FALKIRK (Arnotdale)	W. Gibson, Esq.	5	1 0	105	33·7	36·56	202	163
	Falkirk (Kerse) *new g.*	Robert Johnston, Esq.	5	1 0	18	31·9	32·86	...	...
d	Grangemouth (Burgh Depot)	J. C. Wallace, Esq., C.E.	5	1 0	15	30·9	32·48	...	...
M	Little Denny Reservoir	Stirling & Falkirk W. Bd.	8	1 0	326	42·8	43·61	...	...
M	Little Denny Filters	Stirling & Falkirk W. Bd.	8	1 0	243	42·4	43·97	...	...
M	Kilsyth (Faughlin Reservoir)	Stirling & Falkirk W. Bd.	8	1 0	707	54·4	57·47	...	...
	Fintry (Waterhead)	Stirling & Falkirk W. Bd.	8	1 0	850	61·3	63·00	...	...
	Denny (Buckieburn Reservoir)	Stirling & Falkirk W. Bd.	8	1 0	824	45·3	59·37	...	...
	Denny (Buckieburn Filters)	Stirling & Falkirk W. Bd.	8	1 0	760	42·1	59·91	...	...
D	Plean (Governor's House)	Lt.-Col. S. H. Cowan	5	1 0	120	...	39·20	191	154
M	Earlsburn Reservoir	Stirling & Falkirk W. Bd.	8	1 0	1202	56·8	64·88	...	...
D	Stirling (North Third Res.) No. 1	J. C. Wallace, Esq., C.E.	8	0 10	574	49·4	52·31	228	172
M	Stirling (North Third Res.) No. 2	J. C. Wallace, Esq., C.E.	5	1 0	825	...	57·35	...	...
M	Stirling (North Third Res.) No. 3	J. C. Wallace, Esq., C.E.	5	1 0	1010	...	59·65	...	...
D	Stirling (Touch Reservoir) No. 3	D. B. Marrs, Esq.	8	1 0	759	49·1	51·19	214	171
D	Stirling (Touch Reservoir) No. 2	D. B. Marrs, Esq.	8	1 0	707	47·9	48·75	211	162
D	Stirling (Touch Reservoir) No. 1	D. B. Marrs, Esq.	8	1 0	455	47·6	53·04	212	168
d	Polmaise Castle Gardens	Mr. J. McAndie	5	1 1	220	...	51·27	...	...
D	Kippen (Gribloch Gardens)	The Head Gardener	5	1 0	530	...	51·49	205	172
D	STIRLING (Sauchie House)	The Town Council	5	1 0	151	35·9	42·23	183	152
D	Kippen (Arngomery)	Mr. W. Low	5	4 6	150	46·5	49·37	198	165
	Meiklewood	Mr. W. Donaldson	5	1 0	35	...	43·14	...	...
M	Duchray Valley (Ben Lomond)	S. D. Canvin, Esq., C.E.	8	0 6	1500	89·2	90·90	...	...
M	Duchray Valley (Glen Dhu)	S. D. Canvin, Esq., C.E.	8	1 0	500	81·8	85·15	...	...
M	Duchray Valley (Comer)	S. D. Canvin, Esq., C.E.	8	1 0	600	86·5	85·10	...	...
M	Duchray Valley (Achaidh Burn)	S. D. Canvin, Esq., C.E.	8	1 0	1200	94·4	90·95	...	...
	Duchray Valley (Hd. of Main Stream)	S. D. Canvin, Esq., C.E.	8	1 0	950	88·8	83·05	...	...
	2.—FORTH. Teith. 5 sq. mi.								
D	Stronachlachar (Invergyle)	S. D. Canvin, Esq., C.E.	8	1 0	376	83·2	75·69	216	182
	3.—FORTH. Left Bank Tributaries. 15 sq. mi.								
D	Bridge of Allan (Langlands)	W. H. Gillespie, Esq.	5	1 0	45	...	40·94	203	154
	4.—CLYDE. Leven. 128 sq. mi.								
	Kilpatrick H. (Burncrooks Res.)	E. T. Collins, Esq.	5	1 0	835	51·9	50·40	...	...
D	Strathblane (Blanefield)	S. D. Canvin, Esq., C.E.	8	1 0	250	50·6	52·88	194	160
	Killearn (The Oaks)	Jas. Shearer, Esq.	5	1 6	250	...	46·30	...	...
D	Fintry (Police Station)	S. Armstrong, Esq.	5	1 0	300	...	58·04	210	158
d	BALFRON (High School)	E. G. McHutchen, Esq., M.A.	5	1 1	342	...	48·54	195	150
M	Loch Arklet (Corriehichon)	S. D. Canvin, Esq., C.E.	8	0 6	870	82·6	82·80	...	...
M	Loch Arklet (Corriearklet)	S. D. Canvin, Esq., C.E.	8	0 6	950	85·2	81·30	...	...
	5.—CLYDE. Right Bank Tributaries. 52 sq. mi.								
D	Strathblane (Mugdock Reservoir)	S. D. Canvin, Esq., C.E.	8	0 6	320	46·2	45·93	191	170
D	Milngavie (Eastertoun)	Major R. M. Ker	5	1 0	450	46·4	46·23	206	160
D	Kilsyth (Innsbridge)	J. Milne, Esq.	5	4 6	197	47·7	51·37	231	177
D	Lennoxtown	W. R. Patterson, Esq.	5	1 0	200	...	54·12	207	171

DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	BUTE. (Area, 218 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—ISLE OF BUTE. 50 sq. mi.								
D	Rothesay (Dhu Loch W.W.)	A. Stephen, Esq.	5	1 6	273	...	45·87	204	163
D	ROTHESAY (Ardencraig)	Mr. J. McPhail	5	1 0	200	49·0	47·26	201	170
	2.—CUMBRAES. 4 sq. mi.								
D	Millport (St. Andrew's Home)	Dr. J. H. Paul	5	0 9	10	...	43·48	183	145
D	Millport (Marine Biological Stn.)	R. Elmhirst, Esq.	5	1 0	16	40·1	40·93	189	151
	Millport (Water Works)	J. Russell, Esq.	10	3 6	167	...	43·67	...	...
	3.—ARRAN. 164 sq. mi.								
D	Dougarie Lodge	Mr. P. Helm	5	1 0	50	46·0	44·85	176	168
	ARGYLL. (Area, 3,181 sq. mi.)								
	1.—TAY. Tummel. 36 sq. mi.								
	2.—SOUND OF ARISAIG, SOUND OF MULL & C. 317 sq. mi.								
D	Ardnamurchan Lighthouse	Com'rs. of N. Lighthouses	5	1 0	79	...	36·31	202	159
D	Morvern (Drimnin)	Miss A. Horsman	5	1 0	225	62·4	55·70	214	184
D	Loch Sunart (Glenborrodale)	P. M. Murray, Esq.	5	1 0	50	69·0	60·79	226	180
w	Loch Sunart (Carnlia, Salen)	Dr. D. Fergusson	5	1 0	35	76·9	62·53	...	...
D	Loch Shiel (Polloch House)	Forestry Commission	5	1 6	17	95·8	69·90	186	168
	3.—LOCH LINNHE. Right Bank Tributaries. 139 sq. mi.								
D	Morvern (Kingairloch)	Mr. A. Cameron	5	1 0	40	*98·4*	92·63	205	184
	Corran Lighthouse	Com'rs. of N. Lighthouses	5	1 0	13	81·0	69·30	181	173
D	Ardgour House	Mrs. Maclean of Ardgour	5	0 10	60	97·6	87·53	216	182
	4.—LOCH LINNHE. Left Bank Tributaries. 165 sq. mi.								
D	Connel (Ledaig)	Dr. J. A. Watson	8	1 0	15	...	53·85	220	171
d	Barcaldine	Forestry Commission	5	1 0	50	65·9	59·28	190	169
D	Loch Creran (Rhu Garbh)	Miss Chisholm of Chisholm	5	1 0	20	...	56·33	216	175
D	Duror (Achadh Nan Sqiath)	G. H. Malcolm, Esq.	5	1 0	40	...	64·44	193	164
	Glenduror Forest	Forestry Commission	5	1 0	950	...	(99·07)	...	...
	Glenleven (Blackwater House) No. 4	British Aluminium Co. Ltd.	8	1 0	1069	80·8	86·40	...	...
D	Glenleven (Blackwater Dam, S.)	British Aluminium Co. Ltd.	8	1 0	1072	84·0	93·89	265	193
D	Glenleven (Kinlochleven) No. 1	British Aluminium Co. Ltd.	8	1 0	140	86·4	83·82	214	178
	5.—LOCH ETIVE. 197 sq. mi.								
	Taynuilt (Muckairn)	S. L. Courtauld, Esq.	5	1 0	50	...	59·98	...	...
	6.—LOCH ETIVE. Loch Awe. 319 sq. mi.								
d	Loch Awe (Inverinan)	W. D. Rattray, Esq.	5	1 0	150	...	71·77	...	...
	7.—FIRTH OF LORNE. 112 sq. mi.								
D	Kilmelfort (Arduaine)	Mrs. Campbell of Arduaine	5	0 10	23	57·9	51·86	172	151
d	Kilmelfort (Kilchoan)	Miss D. M. Henderson	5	1 0	30	58·6	46·86?	188	176
	Kilninver	A. F. Nicol, Esq.	5	1 5	30	58·7	55·51	...	...
w	Oban (Gleann-a-Bhearraidh Res.)	Burgh Surveyor	8	1 6	400	*57·2*	53·56	...	...
D	OBAN	Burgh Surveyor	8	1 1	229	...	53·73	201	166
	8.—SOUND OF JURA. 163 sq. mi.								
d	Lochgilphead (Poltalloch)	Mr. A. S. Storrie	5	1 3	120	52·7	(50·00)	...	...

DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	ARGYLL—(*contd.*).		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	9.—KINTYRE, WEST. 146 sq. mi.								
	Mull of Kintyre	Com'rs. of N. Lighthouses	5	1	270	40·9	38·10	184	146
D	Largie Castle	Mrs. Moreton Macdonald	5	1	160	46·3	46·57	217	175
D	Clachan (Balinakill)	W. Hampton, Esq.	5	1	200	...	47·24	193	171
w	West Loch Tarbert (Dunmore)	Capt. J. V. Taylor	5	1	100	...	41·74	...	...
	10.—KINTYRE, EAST. 177 sq. mi.								
D	Campbeltown	D. M. Kellock, Esq., C.E.	5	1	20	...	47·66	217	171
D	Carradale (Torrisdale Castle)	Mrs. J. Campbell	5	1	84	65·5	56·58	209	177
D	Carradale (Saddell Manse)	Rev. J. A. Argyll Baker	5	1	25	62·6	56·94	227	174
D	Monybacach (Skipness)	W. McLaren, Esq.	5	1	80	*48·8*	46·40	191	165
	11.—LOCH FYNE. 264 sq. mi.								
D	Ardlamont (Kilbride)	J. W. Turnbull, Esq.	5	1	110	46·5	44·33	190	152
D	Ardrishaig (Stronachullin)	J. E. Scott, Esq.	5	1	50	...	57·52	173	162
D	Ardrishaig (Canal Office)	M. S. Thompson, Esq.	5	1	48	63·5	58·06	199	171
D	Crarae Lodge	Capt. G. I. Campbell	5	1	20	70·2	62·17	204	182
D	Strachur Park	Lady G. Campbell	5	1	25	68·8	69·11	204	186
d	Brenchoillie	A. R. Page, Esq.	5	1	240	68·9	67·91	...	(162)
D	Inveraray Castle Gdns.	Mr. John McRobbie	5	1	40	77·2	75·13	208	178
D	Ardkinglas	J. R. Taylor, Esq.	8	1	37	...	68·68	198	172
w	Loch Sloy (Allt Uaine)	N. of S. Hydro-Electric Bd.	5	1	1123	...	114·43	...	...
w	Brannie Burn	N. of S. Hydro-Electric Bd.	5	1	1370	...	98·25	...	...
w	Allt Na Lairige	N. of S. Hydro-Electric Bd.	5	1	1075	...	110·00	...	...
w	Sron-Mor	N. of S. Hydro-Electric Bd.	5	1	1194	...	87·81	...	...
	Loch Fyne Head	N. of S. Hydro-Electric Bd.	5	1	1151	...	111·45	...	...
	12.—FIRTH OF CLYDE AND COWAL. 242 sq. mi.								
D	Toward (Knockdow Gardens)	Sir Norman Lamont, Bart.	5	1	101	56·8	52·97	208	172
D	DUNOON	Burgh Surveyor	5	1	132	...	64·76	182	171
D	DUNOON (BENMORE Forest School)	Forestry Commission	5	1	46	...	80·54	219	192
D	Loch Eck (Benmore)	Head Gardener	5	1	40	86·6	80·91	194	177
D	Strachur (GLENBRANTER)	Forestry Commission	5	1	120	85·2	85·60	209	182
d	Lochgoilhead (Nuthill)	Mrs. Henderson	5	1	15	74·5	78·42	...	...
D	Lochgoilhead (Ardgoil)	G. H. Garside, Esq.,	5	1	20	85·4	80·65	200	190
	13.—CLYDE. Leven. 4 sq. mi.								
w	Loch Sloy (Beinn Ime 'South')	N. of S. Hydro-Electric Bd.	5	1	1322	...	106·95	...	...
w	Loch Sloy (Beinn Ime 'North')	N. of S. Hydro-Electric Bd.	5	1	1533	...	108·27	...	...
	14.—INSULAR. 900 sq. mi.								
	Sanda Lighthouse	Com'rs. of N. Lighthouses	5	2	134	*36·8*	33·02	180	155
	Islay (Lochindaul)	Com'rs. of N. Lighthouses	5	0	45	44·0	47·27	215	188
D	Islay (Eallabus)	J. H. Cranston, Esq.	5	1	68	48·9	47·97	197	176
	Islay (Rhuvaal)	Com'rs. of N. Lighthouses	5	1	69	42·0	(43·95)	194	162
d	Jura (Ardfin)	W. Riley Smith, Esq.	5	1	160	...	49·36	...	214
D	Jura (Tarbert)	Lord Astor	5	1	30	50·3	48·99	189	161
D	Jura (Ardlussa)	A. H. Brown, Esq.	5	0	100	50·1	47·30	201	148
D	COLONSAY	Mr. M. McNeill for Lord Strathcona	5	1	87	47·4	42·04	228	180
d	Seil (An Cala)	Col. Hon. A. C. Murray, C.M.G., D.S.O.	5	1	30	57·4	54·81	...	...
	Lismore (Mousedale)	Com'rs. of N. Lighthouses	7	3	38	43·7	44·86	...	...
D	Iona (Maol)	Mr. Macniven	5	1	60	...	39·48	188	176
D	Mull (Auchnacraig)	G. W. Duncan, Esq.	8	1	50	...	52·13	172	160
D	Mull (Gruline)	A. Livingstone, Esq.	8	1	100	79·0	67·05	210	179
	Mull, Sound of	Com'rs. of N. Lighthouses	...	...	...	61·5	51·55	170	163
D	TIREE (+A)	Meteorological Office	8	1	44	44·7	39·05	218	170

DIVISION XVI—EAST MIDLAND COUNTIES

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	CLACKMANNAN. (Area, 55 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—FORTH. LOWER. Left Bank Tributaries. 55 sq. mi.								
D	Alloa House Gardens	... Earl of Mar & Kellie, K.T.	5	3 0	50	33·2	37·43	202	153
W	Alloa W.W. (Gartmorn Reservoir)	... Robert Cairns, Esq., C.E.	5	1 0	172	32·1	32·01	...	...
D	Tillicoultry (The Cemetery) ...	... R. Scrimgeour, Esq. ...	5	1 0	80	34·5	38·51	195	156
W	Menstrie (Lipney Filters) ...	... Robert Cairns, Esq., C.E.	5	1 0	328	...	37·79	...	...
M	Glendevon (Broich Burn) No. 2	... County Engineer	8	1 0	1333	71·7	67·96	...	...
M	Glendevon (Burnfoot Hill) No. 8	... County Engineer	8	1 0	1721	...	61·43	...	...
M	Glendevon (Backhill) No. 9 ...	... County Engineer	8	1 0	1067	58·3	63·00	...	...
	KINROSS. (Area, 87 sq. mi.)								
	1.—FORTH. LOWER. Left Bank Tributaries. 15 sq. mi.								
	2.—LEVEN & C. 67 sq. mi.								
D	Loch Leven Sluice	... Mr. J. Thompson	5	1 0	360	35·8	36·85	183	149
D	Milnathort (Laurel Bank) ...	... Capt. L. Kininmonth ...	5	1 0	396	36·3	36·49	188	153
D	Milnathort (Ledlanet)	... Sir James C. Calder, K.B.E.	5	1 3	700	47·1	46·18	189	162
D	Milnathort (Ochil Hills Sanatorium)	... Medical Superintendent ...	5	1 0	800	47·3	45·04	182	159
	3.—EDEN. 2 sq. mi.								
	4.—TAY. Earn. 3 sq. mi.								
	FIFE. (Area, 505 sq. mi.)								
	1.—FORTH. LOWER. Left Bank Tributaries. 68 sq. mi.								
D	DUNFERMLINE	(+A) Carnegie Dunfermline Trust	5	1 0	237	...	29·09	187	133
	Carnock (Craigluscar Reservoir)	... D. H. Shaw, Esq., C.E. ...	12	0 4	480	36·1	33·70	...	...
	2.—LEVEN & C. 208 sq. mi.								
D	DONIBRISTLE (R.N.A.S.) ...	... Meteorological Office ...	5	1 0	120	...	24·98	182	136
d	Burntisland (Cullaloe Res.) ...	... G. H. Rodger, Esq. ...	5	1 0	294	...	25·38	...	...
D	Cowdenbeath (Sewage Works)	... C. A. Alexander, Esq. ...	5	1 0	390	...	32·39	188	142
	Cleish Hills (Craiggaveral) ...	... C. A. Alexander, Esq. ...	5	1 0	760	41·0	37·41	...	...
	Cleish Hills (Roscobie Res.) ...	... C. A. Alexander, Esq. ...	5	1 0	660	39·6	36·96	...	...
D	Kirkcaldy (Carberry)	... R. Ritchie, Esq.	5	1 0	326	...	26·18	195	134
	Cleish Hills (Blairadam) ...	... C. A. Alexander, Esq. ...	5	1 0	670	35·8	(34·61)	...	...
D	Leslie (Lothrie Res.)	... R. Ritchie, Esq.	5	1 0	700	36·7	36·46	187	153
D	Leven (Silverburn)	... Sir David Russell	5	1 0	70	...	26·67	179	141
d	LEVEN (Lundin Links)	... T. B. Sleddon, Esq. ...	5	1 0	40	...	(25·67)	(183)	(134)
D	Markinch (Rothes)	... Sir David Russell	5	1 0	198	...	33·13	194	149
D	Markinch (Carriston Reservoir)	... Water Superintendent ...	5	0 9	293	32·9	33·36	224	146
D	Markinch (Coul Reservoir) ...	... Water Superintendent ...	5	0 9	438	...	38·01	211	163
D	Colinsburgh (Cairnie House) ...	... Mr. H. Macintosh	5	3 6	125	28·8	26·70	198	135
D	Colinsburgh (Balcarres) ...	... W. H. Adams, Esq. ...	5	1 0	300	...	29·23	205	151
D	Arncroach (Dreel House) ...	... J. O. Duncan, Esq. ...	5	1 0	250	...	26·15	196	137
D	Carnbee (Ovenstone W.W.) ...	... Mr. W. Donaldson ...	5	1 0	168	25·8	25·28	188	133
	3.—EDEN & C. 205 sq. mi.								
D	Cupar (Clatto Reservoir) ...	... R. W. Morrison, Esq. ...	5	1 0	505	30·1	32·46	206	158
D	Cameron Waterworks	... Burgh Surveyor	5	1 0	478	29·9	32·38	187	155
D	Cupar (Pitlair)	... Mr. P. Webster	5	1 0	126	29·5	30·88	176	134
d	Cupar (Rankeillour)	... Mr. R. Meldrum	5	1 0	240	28·7	31·14	...	...
D	Cupar (Fife District Asylum) ...	... Medical Superintendent ...	5	1 0	210	27·7	31·99	185	141
D	Kingsbarns	... J. N. Dickie, Esq.	5	1 0	70	...	26·22	171	131
D	Cupar (Over Rankeillour) ...	... H. Giles Walker, Esq. ...	5	1 0	200	28·7	30·10	181	138

DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	FIFE—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	3.—EDEN & C.—(*contd.*).								
D	Cupar (Beet Sugar Factory)	British Sugar Corpn. Ltd.	5	1 0	82	...	28·24	161	132
D	St. Andrews (Waterworks)	Burgh Surveyor	5	1 0	217	27·3	27·37	193	138
D	St. Andrews	Burgh Surveyor	5	1 0	13	27·1	28·37	189	138
D	Leuchars (Airfield) ... ... (+A)	Meteorological Office ...	8	1 0	36	25·7	26·61	180	132
	4.—FIRTH OF TAY. 25 sq. mi.								
D	Balmarino Manse	Mr. R. L. Constable ...	5	1 0	200	...	27·90	184	132
D	Newport (Tayfield)	W. Berry, Esq.	5	0 7	100	28·3	33·15	166	147
D	Tayport (Lighthouse)	Dundee Harbour Trust ...	5	1 0	27	26·3	29·80	187	137
	5.—TAY. Earn. 1 sq. mi.								
	6.—INSULAR.								
	Inchkeith Lighthouse	Com'rs. of N. Lighthouses	5	1 0	190	...	25·82	164	119
	PERTH. (Area, 2,535 sq. mi.)								
	1.—FORTH. Right Bank Tributaries. 17 sq. mi.								
D	Gartmore House Gardens	Mr. H. B. Matheson ...	5	1 0	160	*56·0*	61·57	220	163
D	Loch Dhu	S. D. Canvin, Esq., C.E. ...	8	0 6	325	79·8	84·07	208	172
	2.—FORTH. UPPER. Left Bank Tributaries. 84 sq. mi.								
D	Loch Ard (Couligarton)	Major R. S. Cunninghame	5	0 10	200	...	73·30	220	162
	3.—FORTH. Teith. 221 sq. mi.								
	Ochtertyre (Stirling)	Lt.-Col. J. C. Dundas, D.S.O.	5	1 0	14	39·4	42·09	...	...
	Loch Drunkie	S. D. Canvin, Esq., C.E. ...	8	1 0	420	62·4	66·52	...	...
D	Invertrossachs	Sir James R. Wilson, Bt. ...	5	1 0	380	59·8	67·03	191	163
	Ben Venue (Glasahoile)	S. D. Canvin, Esq., C.E. ...	8	1 0	1150	79·4	80·90	...	...
D	Loch Vennachar	S. D. Canvin, Esq., C.E. ...	5	1 0	273	55·3	60·68	196	163
D	Bridge of Turk	S. D. Canvin, Esq., C.E. ...	5	1 0	275	63·7	69·86	190	159
	Loch Katrine (Tunnel Hill Top) ...	S. D. Canvin, Esq., C.E. ...	8	0 6	830	79·0	86·53	...	...
	Ben Ledi	S. D. Canvin, Esq., C.E. ...	8	1 0	1400	67·0	70·20	...	...
	Achnahard	S. D. Canvin, Esq., C.E. ...	8	1 0	474	65·5	68·05	...	...
	Callander (Leny House)	Capt. M. Murray Buchanan	5	1 0	340	56·9	57·65	...	...
w	Strone Bridge	S. D. Canvin, Esq., C.E. ...	8	1 0	380	71·7	74·80	...	...
	Glen Meann	S. D. Canvin, Esq., C.E. ...	8	1 0	800	76·5	73·85	...	...
	Glen Finlas	S. D. Canvin, Esq., C.E. ...	8	1 0	1200	78·3	75·65	...	...
D	Glengyle	S. D. Canvin, Esq., C.E. ...	8	0 6	380	89·9	88·04	178	173
	Upper Glengyle	S. D. Canvin, Esq., C.E. ...	8	1 0	750	94·7	90·20	...	...
	Allt a' Choin	S. D. Canvin, Esq., C.E. ...	8	1 0	1250	88·2	88·20	...	...
d	Strathyre...	Forestry Commission ...	5	1 0	425	...	81·68	...	...
w	Balquhidder (Blaircreach)	J. M. Fergusson, Esq. ...	5	1 0	460	92·7	97·61	...	...
D	Balquhidder (Stronvar)	Major G. Fullerton-Carnegie	5	1 0	422	74·2	71·33	196	171
	4.—FORTH. LOWER. Left Bank Tributaries. 107 sq. mi.								
d	Dunblane	J. W. Kirkland, Esq. ...	5	8 0	185	40·0	41·80	...	...
D	Dunblane (Lynedoch)	E. J. Balfour, Esq.	5	1 0	265	...	42·74	201	158
	Dunblane (Glen Road)	A. E. Martin, Esq.	5	1 0	272	...	(44·21)	...	...
D	Glendevon (Glenquey Res.) ... No. 2	County Engineer	8	1 0	942	58·0	59·45	(212)	(175)
D	Glendevon (Frandy)	County Engineer	8	1 0	911	61·6	65·13	205	179
	Glendevon (Glensherup)	D. H. Shaw, Esq., C.E. ...	12	0 4	945	59·0	60·57	...	...
M	Glendevon (Bald Hill) ... No. 1	County Engineer	8	1 0	1202	58·0	58·82	...	...
M	Glendevon (Wether Hill) ...No. 10	County Engineer	8	1 0	1408	...	57·12	...	...
	5.—LEVEN. 1 sq. mi.								

DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	PERTH—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	6.—EDEN. 4 sq. mi.								
	7.—TAY. Earn. 376 sq. mi.								
D	Gleneagles House	Mrs. Grace Todd	5	1 0	400	...	52·62	200	162
	Upper Farg (Plains)	County Engineer	8	1 0	900	...	42·91	...	...
d	Upper Farg (Main Bank)	County Engineer	8	1 0	632	...	41·73	204	153
D	Dunning (Kippen House)	Lady Wilson	5	1 0	450	44·6	50·53	192	147
D	Bridge of Earn (Ballendrick)	G. M. Taylor, Esq.	5	1 0	50	31·5	35·64	200	158
D	Lochearnhead (Ardloch)	S. Moir, Esq.	5	1 0	370	62·1	68·45	251	173
d	Lochearnhead (Edinchip)	Sir Malcolm MacGregor, Bt.	5	1 0	513	69·0	69·95	216	174
D	Comrie (Dunira Gardens)	W. Gilchrist Macbeth, Esq.	5	1 8	200	...	62·19	159	150
D	Crieff (Strathearn Hydro)	Manager	5	1 0	478	40·9	51·08	186	148
W	Loch Turret (Lower Glen Turret)	Water Engineer, Perth	5	1 0	1090	...	62·55	...	...
W	Loch Turret (Glenturret Lodge)	Water Engineer, Perth	5	1 0	1280	...	69·57	...	...
	8.—TAY. Almond & c. 149 sq. mi.								
D	Perth (Craigie Haugh) (+A)	J. Penman, Esq.	5	4 2	14	...	32·59	184	138
D	Perth (Wellshill Cemetery)	Town Council (J. Wood)	5	1 0	77	30·8	33·75	194	140
W	Methven Waterworks	Water Engineer, Perth	8	1 0	450	...	40·98	...	...
	9.—TAY. Strathtay below Dunkeld. 33 sq. mi.								
D	Dunkeld (Snaigow)	The Earl of Cadogan	5	1 0	370	34·7	38·09	157	127
	10.—TAY. 81 sq. mi.								
D	Strath Bran (Glenquaich Lodge)	H. K. Cox, Esq.	5	1 0	900	54·1	63·80	205	170
D	Strath Bran (Garrows)	K. O. Hunter, Esq.	5	0 9	980	...	55·03	205	159
	11.—TAY. Strathtay above Dunkeld. 95 sq. mi.								
D	Aberfeldy (Dall Avon)	Dr. N. D. Mackay	5	1 0	320	37·4	41·28	192	142
D	Aberfeldy (Grandtully Castle Gdns.)	Mr. W. Robertson	5	0 11	383	37·0	41·70	181	146
	12.—TAY. Loch Tay. 241 sq. mi.								
d	Tyndrum (Strathfillan Manse)	Rev. Christopher MacKinnon	5	1 0	700	...	82·88	(173)	(151)
D	Killin (Kinnell Gardens)	Mr. A. McCormick	5	1 0	380	58·2	60·43	202	158
d	Loch Tay (Ardeonaig)	Rev. G. E. Campbell	5	1 0	450	...	(47·66)	(202)	(157)
D	Kenmore (Dalerb)	W. L. Ross, Esq.	5	1 1	390	...	47·26	202	187
	13.—TAY. Lyon. 142 sq. mi.								
D	Glenlyon (Meggernie Castle)	Sir E. S. Wills, Bt.	5	1 0	700	61·5	68·05	231	168
W	Fortingall (Glenlyon House)	Mr. David R. Dow	5	1 0	425	44·7	52·78	...	...
	14.—TAY. Tummel. 587 sq. mi.								
W	Braes of Foss	N. of S. Hydro-Electric Bd.	5	1 0	2150	...	(44·35)	...	...
D	Loch Rannoch (Dall)	Mr. D. Robertson, Jun.	5	1 0	722	43·2	46·86	188	162
d	Loch Rannoch (Station)	Grampian Elec. Supply Co.	5	1 0	1007	60·4	65·02	(206)	(171)
D	Loch Rannoch (Power House)	Grampian Elec. Supply Co.	5	1 0	675	43·4	49·16	191	160
D	Foss (Domnaheich)	N. of S. Hydro Electric Bd.	5	1 0	640	...	43·35	205	150
D	Loch Tummel (Power House)	Grampian Elec. Supply Co.	5	1 0	500	...	41·76	195	141
d	Loch Tummel (Strathtummel P.O.)	N. of S. Hydro Electric Bd.	5	1 0	660	....	39·08	...	128
d	Loch Tummel (Grenich)	N. of S. Hydro Electric Bd.	5	0 11	1000	...	(40·74)	146	119
d	Pitlochry (Bonskeid)	Hon. Mrs. G. F. Barbour	5	1 0	540	33·0	35·84	(162)	(128)
M	Pitlochry (Allt Girnaig)	Mr. J. McLaughton	5	1 0	850	...	38·00	...	...
D	Fincastle House	Hon. Mrs. G. F. Barbour	5	1 0	980	33·9	39·93	200	165
D	Ericht Dam	Grampian Elec. Supply Co.	5	1 0	1196	54·1	57·93	207	168
D	Struan (Auchleeks)	Miss Robertson	5	1 0	710	45·5	50·26	190	161
D	Blair Atholl (Blair Castle Gdns.)	Mr. R. D. Allan	5	1 0	500	33·6	37·90	201	154
W	Dalnaspidal (Luidhearnaidh)	Grampian Elec. Supply Co.	5	1 4	1710	63·4	65·20	...	...

DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	PERTH—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	14.—TAY. Tummel—(*contd.*).								
D	Glen Tilt (Clachglas)	N. of S. Hydro Electric Bd.	5	1 0	1000	...	41·73	182	131
D	Glen Bruar (Bruar Lodge) No. 1	N. of S. Hydro Electric Bd.	5	1 0	1500	44·9	46·22	208	165
	Edendon (Sronphadruig Lodge)	Grampian Elec. Supply Co.	5	1 0	1630	...	62·90	...	...
	15.—TAY. Isla. 282 sq. mi.								
d	Blairgowrie (Perth Road)	Wm. D. M. Falconer, Esq.	5	1 6	262	...	32·85	...	130
D	Dunkeld (Cardney)	A. R. Macgregor, Esq.	5	1 0	350	37·4	41·24	182	136
D	Dunkeld (Riechip Lodge)	R. J. Crammond, Esq.	5	1 0	1000	...	40·59	160	136
	Loch Benachally	A. W. Kidd, Esq.	8	1 0	1007	40·4	41·50	...	...
D	Kirkmichael (Ballintuim House)	Miss Louisa Macdonald	5	1 4	700	40·3	43·27	221	146
	16.—TAY. Left Bank Tributaries. 51 sq. mi.								
	17.—FIRTH OF TAY. 45 sq. mi.								
	Errol (Fingask)	Water Engineer, Perth	5	0 6	362	...	(33·15)	...	...
D	LONGFORGAN (Woodlands)	Dr. J. H. Brush	5	1 0	166	26·6	32·15	190	137
	18.—SPEY. Right Bank Tributaries. 1 sq. mi.								
	19.—LOCH LINNHE. Left Bank Tributaries. 2 sq. mi.								
	20.—CLYDE. Leven. 36 sq. mi.								
	ANGUS. (Area, 875 sq. mi.)								
	1.—TAY. Isla. 211 sq. mi.								
d	Glamis Castle	Mr. D. McInnes	5	0 7	250	30·9	34·02	...	134
D	Forfar (Yeaman Street)	W. P. Welsh, Esq.	5	1 6	226	...	33·03	211	131
D	Kirriemuir (Lintrathen)	(+A) R. Little, Esq., C.E.	8	1 0	700	34·7	35·14	192	142
M	Kirriemuir (Balnakeilly)	R. Little, Esq., C.E.	5	1 0	700	34·1	38·33	...	...
M	Kirriemuir (Dykends)	R. Little, Esq., C.E.	5	1 0	750	36·4	41·74	...	...
M	Kirriemuir (Creich Hill N.)	R. Little, Esq., C.E.	5	1 0	1491	40·5	41·46	...	...
M	Kirriemuir (Backwater)	R. Little, Esq., C.E.	5	1 0	850	39·7	42·07	...	...
M	Kirriemuir (Westerton)	R. Little, Esq., C.E.	5	1 0	900	40·5	42·62	...	...
M	Kirriemuir (Macritch)	R. Little, Esq., C.E.	5	1 0	1300	38·7	(44·64)	...	...
M	Kirriemuir (Newton)	R. Little, Esq., C.E.	5	1 0	735	37·4	39·40	...	...
M	Kirriemuir (Longdrum)	R. Little, Esq., C.E.	5	1 0	1045	39·3	45·60	...	...
M	Kirriemuir (Glendye)	R. Little, Esq., C.E.	6	1 0	1050	44·9	49·30	...	...
M	Kirriemuir (Barney)	R. Little, Esq., C.E.	5	1 0	1170	40·2	46·80	...	...
M	Kirriemuir (Glenhead)	R. Little, Esq., C.E.	5	1 0	1260	43·1	48·50	...	...
M	Kirriemuir (Dalvanie)	R. Little, Esq., C.E.	5	1 0	1020	42·7	52·25	...	...
M	Kirriemuir (Glen Damff)	R. Little, Esq., C.E.	5	1 0	1360	43·7	50·08	...	...
	2.—FIRTH OF TAY. 80 sq. mi.								
D	CARNOUSTIE (BUDDON NESS LIGHT)	Dundee Harbour Trust	5	0 4	15	26·4	27·82	189	138
D	Dundee Harbour	Dundee Harbour Trust	5	0 11	14	27·4	28·72	177	136
D	Dundee (Stobsmuir Reservoir)	R. Little, Esq., C.E.	5	1 0	278	...	32·46	183	136
d	Dundee (Camperdown Works)	Messrs. Cox Bros. Ltd.	5	1 0	300	26·8	32·74	...	...
D	Balruddery	H. S. Sharp, Esq.	5	1 0	266	29·8	33·36	172	133
D	DUNDEE (Mayfield)	Director of Studies	8	1 0	147	26·2	34·27	184	148
D	Dundee (Clatto Reservoir)	R. Little, Esq., C.E.	8	1 2	498	...	34·07	215	150
	3.—SOUTH ESK & C. 371 sq. mi.								
D	Monikie Reservoir	R. Little, Esq., C.E.	5	1 0	494	34·7	33·45	202	143
D	Monikie (Crombie Reservoir)	R. Little, Esq., C.E.	5	1 0	528	35·2	34·50	184	135
M	Monikie (Fallaws)	R. Little, Esq., C.E.	8	3 0	585	33·2	34·34	...	...

DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	ANGUS—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	3.—SOUTH ESK & C.—(*contd.*).								
D	ARBROATH (W. Cemetery)	Town Council (S. Robertson)	5	1 0	93	25·6	23·78	171	130
w	Arbroath (Muirheads Reservoir)	Burgh Engineer	5	1 0	251	28·1	25·82	...	...
d	Forfar (Pitscandly House)	Mrs. Ewen	5	1 8	300	...	32·32	...	134
d	MONTROSE	Burgh Surveyor	5	1 0	16	...	25·18	...	124
D	Montrose (West End Park)	Burgh Surveyor	5	1 0	19	...	27·66	169	121
D	Tannadice (Easter Ogil)	F. B. Hopkins, Esq.	5	1 0	520	...	36·48	200	143
D	Forfar W.W. (Den of Ogil)	Alex. C. Millar, Esq.	12×4	3 1	633	39·4	39·86	205	159
d	Glenogil Water Works	Burgh Engineer, Arbroath	5	1 0	690	...	40·31	...	142
D	Glen Prosen (Pearsie House)	G. M. Wedderburn, Esq.	5	1 0	600	39·1	36·61	193	154
M	Glen Prosen (Cormuir)	R. Little, Esq., C.E.	5	1 0	870	53·1	48·40	...	...
	4.—NORTH ESK & C. 213 sq. mi.								
D	MONTROSE (Sunnyside Asylum)	Medical Superintendent	5	0 10	200	27·0	28·29	171	136
D	Brechin (Stracathro Hospital)	Medical Superintendent	5	1 0	120	...	32·83	182	135

DIVISION XVII—NORTH-EASTERN COUNTIES

	KINCARDINE. (Area, 382 sq. mi.)								
	1.—NORTH ESK & C. 99 sq. mi.								
D	Fettercairn (Fasque)	A. C. Gladstone, Esq.	5	0 10	320	36·0	33·58	215	158
d	Fordoun (Auchenblae)	G.W.McConachie,Esq.,M.A.	5	1 0	362	33·2	31·70	(174)	(128)
	2.—BERVIE, COWIE & C. 139 sq. mi.								
	Todhead Point Lighthouse	Com'rs. of N. Lighthouses	5	1 9	114	...	22·25	166	106
D	STONEHAVEN	Town Council	5	1 0	125	27·4	26·86	183	124
	Girdleness Lighthouse	Com'rs. of N. Lighthouses	7	4 0	89	...	(26·16)	...	...
	3.—DEE. 144 sq. mi.								
D	Strachan (Bridge of Dye)	A. C. Gladstone, Esq.	5	1 0	513	43·9	43·98	185	143
d	Banchory (Invery)	Major Jas. Kerr	5	1 0	225	34·8	38·37	...	145
D	Banchory (Invercannie)	T. F. Henderson, Esq., C.E.	5	0 9	208	31·9	34·55	198	136
	ABERDEEN. (Area, 1,974 sq. mi.)								
	1.—DEE. 672 sq. mi.								
M	Glen Muick	T. F. Henderson, Esq., C.E.	5	1 0	1370	45·1	46·75	...	...
M	Glen Muick (Ichnabobart)	T. F. Henderson, Esq., C.E.	5	1 0	1270	41·9	45·81	...	...
D	Aitnach	T. F. Henderson, Esq., C.E.	5	1 0	1260	41·9	48·25	229	168
D	BRAEMAR (Bank)	R. A. Lees, Esq.	5	1 0	1111	35·4	37·80	209	150
d	Braemar (Derry Lodge)	T. F. Henderson, Esq., C.E.	5	1 0	1400	38·1	41·99	(203)	(170)
D	Glen Tanar (Mansion House)	Lord Glentanar	5	1 0	553	...	40·87	209	148
D	BALMORAL Castle Gardens	(+A) Mr. Alex. Stuart	5	1 0	927	33·0	31·32	196	138
D	Ballater (Irrigation Farm)	T. F. Henderson, Esq., C.E.	5	1 0	637	33·2	31·12	177	120
M	Beinn Bhreac	T. F. Henderson, Esq., C.E.	5	1 0	2700	47·1	(46·03)	...	...
D	Aboyne (Irrigation Farm)	T. F. Henderson, Esq., C.E.	5	1 0	380	31·9	29·60	188	130
d	Dess House	Miss A. M. Davidson,	5	1 8	480	31·2	33·91	...	139
D	Glen Gairn (Gairn Shiel Lodge)	T. F. Henderson, Esq., C.E.	5	1 0	1100	34·4	34·78	224	143
d	Glen Gairn (Corndavon)	T. F. Henderson, Esq., C.E.	5	1 0	1500	...	39·24	...	...
M	Lumphanan	T. F. Henderson, Esq., C.E.	5	1 0	490	31·6	32·47	...	...
D	Drumoak (Drum Castle)	H. Q. Forbes Irvine, Esq.	5	1 0	320	30·9	32·86	201	144
d	LOGIE COLDSTONE SCHOOL	Jas. R. Ferguson, Esq., M.A.	5	1 0	608	30·9	32·33	187	138
w	Tarland (Melgum)	J. A. Ross, Esq.	8	1 0	675	...	30·41	...	...
D	Aberdeen (Mannofield Res.)	T. F. Henderson, Esq., C.E.	5	1 0	171	30·5	28·37	201	137
D	Craigiebuckler	Macaulay Institute for Soil Research	5	1 0	220	...	33·80	180	146

DIVISION XVII—NORTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	ABERDEEN—(*contd.*).		*in.*	*ft* *in.*	*ft.*	*in.*	*in.*		
	2.—DON. 512 sq. mi.								
D	ABERDEEN Observatory	(+A) Meteorological Office	8	1 0	79	29·5	26·25	186	125
D	Strathdon (Tornashean)	Mr. G. A. Crawford	5	1 0	1020	...	33·03	191	137
D	Bridge of Don (Braehead)	The Marquis of Aberdeen	5	1 0	114	...	25·83	166	125
D	Craibstone (Sth. Meethill Field)	Macaulay Institute for Soil Research	5	1 0	275	33·6	34·54	191	144
D	Dyce (CRAIBSTONE)	(+A) College of Agriculture	8	1 0	300	31·5	33·06	191	135
D	DYCE (Airfield)	(+A) Meteorological Office	5	1 0	241	...	30·88	174	128
D	Alford (Littlewood Park)	Sir Alan McLean	5	1 0	750	...	35·66	197	152
	3.—YTHAN & C. 285 sq. mi.								
D	Ellon (Esslemont House)	Mrs. Wolrige Gordon	5	1 2	90	...	30·99	208	153
D	Haddo House	Major D. Gordon	5	1 0	186	31·5	31·94	186	132
d	Fyvie Castle	Col.Sir C.R.Forbes-Leith,Bt.	5	1 0	200	33·9	30·51	...	136
	4.—UGIE & C. 257 sq. mi.								
D	New Deer School House	C. S. Henderson, Esq.	5	1 0	397	32·3	32·02	204	147
D	Peterhead (Forehill Works)	J. Coull, Esq., C.E.	5	0 8	133	30·3	24·00	188	126
D	Peterhead (Mains of Buthlaw)	W. Johnston, Esq.	5	1 6	120	30·3	30·77	200	147
D	Fedderate Reservoir	G. S. Stewart, Esq.	5	0 9	410	...	30·84	188	157
D	Rattray Head (C. G. Station)	(+A) Coastguard for M.O.	5	1 0	85	...	24·09	188	141
	Kinnaird Head	Com'rs. of N. Lighthouses	5	1 0	62	26·2	24·67	146	126
	5.—DEVERON & C. 248 sq. mi.								
	BANFF. (Area, 630 sq. mi.)								
	1.—YTHAN. 1 sq. mi.								
	2.—DEVERON & C. 344 sq. mi.								
D	Cabrach Manse	County Road Surveyor	5	1 0	1025	...	34·72	208	155
D	Drummuir Castle	H. G. Brown, Esq.	5	1 10	620	36·4	33·67	200	144
d	Milltown (Rothiemay Castle)	Col. Ian Forbes, D.S.O.	5	0 8	290	33·6	31·15	...	...
D	Easterfield School	T. H. Smith, Esq.	5	1 0	450	...	27·75	187	119
d	Keith Station	Mr. W. Barclay	5	1 0	356	33·8	(31·11)	...	137
D	Turiff (Forglen Gardens)	Mr. S. Henderson	5	1 0	220	31·9	30·44	195	146
D	BANFF	Town Council (I. H. Gordon)	5	0 9	130	26·8	27·08	202	140
D	Cullen House Gardens	C. A. Ritchie, Esq.	5	1 2	150	30·6	26·44	203	133
	3.—SPEY. Right Bank Tributaries. 285 sq. mi.								
d	Tomintoul (Delnabo)	Mr. R. Findlay	5	1 0	1050	...	36·84	...	(149)
D	Glenlivet (Clachnoir)	Mrs. M. J. F. Barrett	5	1 0	1100	...	36·01	194	139
D	Ballindalloch	C. Mackenzie, Esq.	8	1 0	630	33·7	29·98	209	143
	MORAY. (Area, 477 sq. mi.)								
	1.—DEVERON & C. 7 sq. mi.								
	2.—SPEY. Right Bank Tributaries. 35 sq. mi.								
D	Fochabers (GORDON CASTLE)	Mr. J. Taylor for Commissioners of Crown Lands	5	1 0	104	29·8	26·30	158	114
	3.—SPEY. Left Bank Tributaries. 133 sq. mi.								
D	Grantown-on-Spey (Bieldside)	W. Hutchinson, Esq.	5	1 0	750	...	27·01	199	128
	4.—LOSSIE & C. 154 sq. mi.								
D	Kellas (Kellas House)	Mrs. Christie	5	2 0	446	31·4	27·97	185	137
D	Lhanbryde (Blackhills House)	Mr. W. Dunbar	5	0 6	310	29·2	29·35	177	138

DIVISION XVII—NORTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	MORAY—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—LOSSIE & C.—(*contd.*).								
D	Elgin (Kirkhill)	Mrs. M. D. MacDonald	5	1 7	35	...	23·19	172	120
D	Elgin (The Bield)	Mrs. Harrison	5	1 4	120	...	22·72	177	115
D	Elgin Academy	The Rector	5	1 3	88	...	25·25	177	116
D	Elgin (Lesmurdie)	Mrs. J. G. Norman	5	1 0	114	26·9	24·42	173	121
D	Elgin (Newton Nursery)	Forestry Commission	5	1 0	75	...	22·06	131	101
	5.—FINDHORN & C. 148 sq. mi.								
D	Forres (Drumduan)	Miss A. MacKinnon of Mac-Kinnon	5	2 6	120	26·5	23·25	147	108
D	Forres (Drumduan, West Lodge)	Mr. G. Dyker	8	1 0	150	...	22·17	152	117
D	FORRES (Hydro)	Town Clerk	5	1 0	155	...	20·61	151	108
	NAIRN. (Area, 163 sq. mi.)								
	1.—FINDHORN & C. 102 sq. mi.								
M	Drynachan Lodge	Mrs. McCulloch	5	1 0	800	...	29·88?	...	...
D	Ardclach (Glenferness)	Mr. J. May	8	1 0	700	34·8	31·90	171	118
D	Lethen	Major D. J. Brodie	5	1 6	300	...	24·18	150	113
	2.—NAIRN & C. 61 sq. mi.								
D	Cawdor (Auchindoune)	Col. the Hon. I. M. Campbell	5	1 0	425	...	27·18	186	115
D	Cawdor Castle	Mr. James Taylor	5	0 9	225	29·2	26·30	170	121
M	Nairn (Urchany Reservoir)	The Town Council	5	1 0	291	...	23·37	...	...
D	Nairn (Firhall)	Lt.-Col. Angus Cameron	5	1 0	55	24·7	22·44	177	121
D	Nairn (Balblair)	Major R. H. Allanby	5	1 0	94	24·7	22·41	176	125
D	Nairn (Achareidh)	Major K. S. Clarke	8	1 0	59	23·9	20·44	189	121
D	NAIRN (Golf Course)	Town Clerk	8	1 0	20	22·5	19·79	158	118

DIVISION XVIII—NORTH-WESTERN COUNTIES

	INVERNESS. (Area, 4,146 sq. mi.)								
	1.—TAY. Tummel. 28 sq. mi.								
	2.—SPEY. Right Bank Tributaries. 437 sq. mi.								
D	DALWHINNIE	G. Ritchie, Esq., (M.O.)	8	1 0	1176	46·7	46·90	171	151
M	Loch Seilich (Gaick Lodge)	Grampian Electric Supply Co.	5	1 0	1430	...	55·40	...	...
D	Loch an t-Seilich	Grampian Electric Supply Co.	5	1 0	1430	46·6	44·52	224	157
M	§Loch Cuaich	Grampian Electric Supply Co.	5	1 0	1340	...	44·12	...	...
D	Glenshero	British Aluminium Co. Ltd.	8	0 10	880	45·9	45·32	197	147
D	Rothiemurchus (The Polchar)	Capt. H. G. Briggs	5	1 0	775	...	30·57	181	137
d	Loch Morlich (Badaguish)	J. Fraser, Esq.	5	1 0	1100	...	(34·63)	...	...
	3.—SPEY. Left Bank Tributaries. 257 sq. mi.								
D	Cluny Castle	G. A. Sinclair, Esq.	5	1 0	816	39·9	41·12	223	158
M	Loch Spey	British Aluminium Co. Ltd.	5	1 0	1164	64·9	61·16	...	...
M	Glen Spey (Mealgarve)	British Aluminium Co. Ltd.	8	1 0	1135	55·2	56·63	...	...
D	Kingussie	Miss Jessie Dallas	8	1 0	800	...	39·21	223	182
	4.—FINDHORN. 164 sq. mi.								
D	Tomatin (Dalmigavie Lodge)	C. W. Christie-Miller, Esq.	5	1 2	1150	42·5	39·38	214	164
	5.—NAIRN & C. 131 sq. mi.								

§ Turf wall round gauge.

DIVISION XVIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	INVERNESS—(*contd.*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	6.—NESS. Right Bank Tributaries. 252 sq. mi.								
D	Fort Augustus (Ardachie)	A. T. Bruen, Esq.	5	1 0	100	46·5	46·54	212	156
D	Loch Ness (Garthbeg)	British Aluminium Co. Ltd.	8	1 0	630	40·1	40·85	205	151
d	Loch Ness (Foyers)	British Aluminium Co. Ltd.	8	1 0	52	38·2	39·31	...	...
D	Loch Ness (Aberchalder)	British Aluminium Co. Ltd.	8	1 0	700	39·4	39·69	211	145
W	Loch Ashie	Malcolm McPhee, Esq.	5	1 0	718	33·0	30·27	...	...
D	INVERNESS (Culduthel Reservoir)	Town Council	5	1 0	242	27.6	26·57	163	133
	7.—NESS. Garry & C. 185 sq. mi.								
D	Loch Quoich (Glenquoich)	Mr. R. McRae*	5	1 2	569	110·7	97·79	190	181
	8.—NESS. Moriston. 120 sq. mi.								
d	Glenmoriston (Invermoriston Hotel)	R. Fullarton, Esq.	5	1 0	70	44·0	45·56	...	...
	9.—NESS. Enrick. 131 sq. mi.								
M	Glen Urquhart Forest	G. Munro, Esq.	5	1 0	1000	...	50·35	...	...
d	Glen Urquhart House	G. H. Wilkinson, Esq.	5	1 3	470	36·1	41·92	...	126
	10.—BEAULY. 341 sq. mi.								
M	Glen Affric (Creag na Calman)	N. of S. Hydro-Electric Bd.	5	1 0	1050	...	73·02	...	...
D	Glen Affric (Affric Lodge)	N. of S. Hydro-Electric Bd.	5	1 0	765	59·4	58·92	169	165
M	Glen Fiadh	N. of S. Hydro-Electric Bd.	5	1 0	1550	...	83·38	...	...
D	Glen Affric (Achagate)	N. of S. Hydro-Electric Bd.	5	1 0	721	56·2	51·14	181	152
D	Cannick (Balchadaich)	Forestry Commission	5	1 0	350	...	48·36	191	163
D	Cannich (Fasnakyle)	N. of S. Hydro-Electric Bd.	5	1 0	264	41·9	40·12	184	148
	Glen Affric (Loch na Gobloig)	N. of S. Hydro-Electric Bd.	5	1 0	2050	...	60·92	...	...
d	Arisaig (Traig House)	Mrs. Vera Shaw Stewart	5	1 0	20	...	46·34	...	170
	11.—CROMARTY FIRTH. 13 sq. mi.								
	12.—SOUND OF SLEAT. 259 sq. mi.								
M	Loch Morar (Bracara)	N. of S. Hydro-Electric Bd.	5	1 5	100	...	55·01	...	...
D	Loch Nevis (Inverie Gardens)	Mr. D. K. Miller	5	1 0	15	84·0	70·41	173	162
D	Loch Hourn (Kinlochourn)	Ewen MacRae, Esq.	5	1 0	18	100·7	94·46	193	178
	13.—SOUND OF ARISAIG. 126 sq. mi.								
D	Moidart (Glenmoidart)	Miss Margery Lees	5	1 0	200	84·5	69·30	217	181
D	Loch Ailort (Inverailort)	F. S. Cameron-Head, Esq.	5	1 0	8	...	71·89	206	180
D	Loch Ailort (Polnish)	C. M. Wedderburn, Esq.	5	1 0	120	78·0	60·80	211	174
D	Loch Ailort (Arienskill)	K. Macdonald, Esq.	5	1 0	82	83·2	71·30	208	187
D	Arisaig (Faire-na-Sguir)	Miss C. G. Astley-Nicholson	5	1 0	30	54·0	44·63	185	160
D	Arisaig House	Mr. H. Milne	5	1 0	40	62·9	48·24	213	171
	14.—LOCH LINNHE. Right Bank Tributaries. 48 sq. mi.								
D	Loch Eil (Achdalieu)	Col. Sir D. W. Cameron of Lochiel	5	1 0	100	64·5	64·37	207	179
	15.—LOCHY. Right Bank Tributaries. 143 sq. mi.								
D	Glen Loy (Erracht)	Major E. C. Cameron	5	1 0	150	79·8	65·20	216	166
D	Loch Arkaig (Achnacarry)	Col. Sir D. W. Cameron of Lochiel	5	1 0	128	80·6	68·10	200	166
D	Clunes (Loch Lochy W.)	Col. Sir D. W. Cameron of Lochiel	5	1 6	110	73·6	63·43	212	171
M	Clunes (Kilmallie)	A. W. Officier, Esq.	5	1 0	1050	...	66·50	...	...

* *Per* Capt. W. N. McClean (River Flow Records).

DIVISION XVIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	INVERNESS—(*contd.*).		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	16.—LOCHY. Left Bank Tributaries. 362 sq. mi.								
M	Loch Treig (Creaguaineach) ...	British Aluminium Co. Ltd.	5	1	0 825	74·0	64·58	...	...
D	Fort William (The Factory) ...	British Aluminium Co. Ltd.	8	1	0 75	73·0	59·98	206	159
	Sgurr Finisgaig	British Aluminium Co. Ltd.	8	1	0 1850	89·4	(68·94)	...	...
D	Loch Treig (Fersit)	British Aluminium Co. Ltd.	8	1	0 850	62·9	59·79	193	151
M	Tulloch (Allt Laire)	British Aluminium Co. Ltd.	5	1	0 1050	60·7	60·08	...	...
M	Roy Bridge (Allt Leachdach) ...	British Aluminium Co., Ltd.	8	1	0 650	61·3	56·37	...	...
	Loch Pattack	Sir J. F. Ramsden, Bt. ...	5	0	9 1420	61·3	57·72	...	...
M	Glen Spean (Craigbeg) ...	British Aluminium Co. Ltd.	8	1	0 860	54·9	54·39	...	...
D	Spean Bridge (Spean Lodge) ...	Mr. Donald Cameron ...	5	1	3 200	64·5	54·16	192	153
D	Spean Bridge (Gairlochy) ...	J. McLaren, Esq.	5	1	0 100	74·2	64·39	195	169
w	Loch Lochy (Invergloy) ...	Miss J. Allan	5	1	0 200	67·1	61·69	...	...
d	Loch Laggan (Ardverikie) ...	Sir J. F. Ramsden, Bt. ...	5	0	6 838	54·0	54·22	...	...
	17.—LOCH LINNHE. Left Bank Tributaries. 120 sq. mi.								
D	ONICH	Forestry Commission ...	5	1	3 48	77·4	71·43	193	174
D	Onich (Corran Gardens) ...	Mr. R. W. Paine	5	1	0 72	...	68·46	205	176
D	Glenleven (Blackwater Dam, N.) 7	... British Aluminium Co. Ltd.	8	1	0 1072	85·5	89·38	258	185
M	Glenleven (Invercam) No. 6 ...	British Aluminium Co. Ltd.	8	1	6 1070	74·8	(75·39)	...	...
	Glenleven (Loch Eilde Mhor) 8	... British Aluminium Co. Ltd.	8	1	6 1130	94·9	82·86	...	...
D	FORT WILLIAM (Teviot) ...	J. W. Ainslie, Esq.	8	1	0 34	78·9	69·72	201	170
D	Fort William (Glasdrum) ...	British Aluminium Co. Ltd.	5	1	0 216	...	72·51	213	176
	18.—INSULAR. INNER HEBRIDES. 786 sq. mi.								
D	Isle of Eigg	Rt. Hon. Viscount Runciman	5	1	0 150	59·2	48·42	185	168
D	Skye (Kyleakin Dunringell) ...	J. Conyngham Greene, Esq.	5	1	0 70	...	54·62	188	168
	Oronsay Lighthouse	Com'rs. of N. Lighthouses	5	0	6 10	*52·7*	28·27	...	156
D	Skye (Glenbrittle)	Mr. Ewen MacRae ...	5	1	0 30	...	63·69	224	197
D	Skye (Broadford)	Dr. B. P. Miesner	5	1	0 23	76·8	58·18	217	174
D	Skye (Grula)	Forestry Commission ...	5	1	0 60	...	65·99	228	193
D	Skye (Tallisker)	Angus McLeod, Esq. ...	5	1	0 15	...	55·19	178	173
D	Skye (Loch Harport, Carbost)	Mr. D. M. MacCaskill ...	5	1	0 160	...	72·07	219	200
D	Skye (Portree)	Alan Mackinnon, Esq. ...	5	1	0 65	73·1	58·85	222	185
M	Meall na Suiramach	Mr. M. Beaton	5	1	0 1400	...	55·65	...	...
D	Skye (DUNTULM, Kilmuir) ...	Seton Gordon, Esq., C.B.E.	5	1	0 294	53·5	46·72	218	169
	19.—INSULAR. OUTER HEBRIDES. 243 sq. mi.								
D	Vatersay Schoolhouse	J. Campbell, Esq.	5	0	8 20	...	42·75	215	178
D	BENBECULA (Airfield)	... (+A) Meteorological Office ...	5	1	0 27	...	41·04	223	171
D	North Uist (Newton)	J. MacAskill, Esq.	5	1	0 41	45·2	37·06	205	166
	ROSS & CROMARTY. (Area, 3,237 sq. mi.)								
	1.—NESS. Moriston. 35 sq. mi.								
	2.—BEAULY. 109 sq. mi.								
D	Loch Monar (Patt)	I. Mackay, Esq.	5	1	0 700	...	66·81	188	161
	3.—MORAY FIRTH COAST STREAMS. 64 sq. mi.								
D	FORTROSE	Rev. W. Craig	5	1	0 69	23·8	24·00	191	123
D	Fearn (Geanies)...	Capt. K. Murray, J.P. ...	5	0	11 200	22·8	19·44	142	105
D	**4.—CROMARTY FIRTH. 714 sq. mi.**								
D	Muir of Ord (Fairburn) ...	Major J. S. Stirling ...	5	1	0 500	36·2	36·09	200	144
D	Dalbraec Lodge...	N. of S. Hydro-Electric Bd.	5	1	0 500	...	49·34	206	163
D	Luib (Loch Gowan)	N. of S. Hydro-Electric Bd.	5	1	0 625	...	68·53	200	182
D	Lochluichart (East)	Grampian Electric Supply Co.	5	1	0 165	39·5	41·27	217	155
d	Achnasheen (Druimdhu) ...	N. of S. Hydro-Electric Bd.	5	1	0 ...	...	59·53	(186)	(166)
D	Loch Fannich (Nest)	N. of S. Hydro Electric Bd.	5	1	0 850	...	70·57	208	193

DIVISION XVIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in or more
	ROSS & CROMARTY—(*contd.*).		*in.*	*ft.*	*in.*	*ft.*	*in.*	*in.*		
	4.—CROMARTY FIRTH—(*contd.*).									
D	Aultdearg (Loch Luichart)	N. of S. Hydro-Electric Bd.	5	1	0	725	...	50·35	173	169
M	Garbat (Dubh Choille)	Forestry Commission	5	1	0	1150	...	42·63	...	...
D	Garbat Forest (Longart)	Forestry Commission	5	1	0	500	...	40·05	167	143
D	Garbat (Altguish)	N. of S. Hydro-Electric Bd.	5	1	0	750	...	(45·55)	(199)	(162)
D	Strath Vaich Lodge	N. of S. Hydro-Electric Bd.	5	1	0	790	...	51·67	210	173
d	Alness (Ardross School)	J. H. Ross, Esq.	5	1	2	490	...	28·06	...	138
	Luibachleggan (Strathvaich)	N. of S. Hydro-Electric Bd.	5	1	0	830	...	52·24	...	...
	5.—DORNOCH FIRTH. 355 sq. mi.									
D	Tain (Tarlogie House)	Lt.-Col. A. K. McLeod	5	1	3	140	...	26·40	194	136
	Tarbetness	Com'rs. of N. Lighthouses	5	1	3	62	22·2	18·78	...	...
	6.—ENARD BAY. 78 sq. mi.									
	7.—LOCH BROOM & C. 367 sq. mi.									
d	Loch Droma	N. of S. Hydro-Electric Bd.	5	1	0	940	...	62·12	...	...
D	Inverbroom (Glackour)	Forestry Commission	5	1	0	65	...	53·70	192	160
D	Dundonnell House	Lt.-Col. Sir T. M. Peto, Bt.	5	1	0	150	...	61·19	211	172
D	Laide (Gruinard)	A Macpherson, Esq.	5	1	10	60	...	47·13	211	175
D	Ullapool	Dr. R. McLean	5	1	6	75	46·5	34·61	191	140
	8.—LOCH EWE, LOCH TORRIDON & C. 423 sq. mi.									
D	Gairloch (Opinan)	Miss R. MacAuley	5	1	0	60	44·2	34·01	196	156
	9.—LOCH CARRON, LOCH ALSH & C. 401 sq. mi.									
D	Glenshiel (Kyle)	Mr. M. Macrae*	5	1	0	650	135·2	118·28	237	203
D	Loch Duich (Ratagan)	Forestry Commission	5	1	0	12	82·3	63·62	161	152
M	Loch Duich (Druim Sgurr)	Forestry Commission	5	1	0	1000	...	70·00	...	...
D	Loch Duich (Inverinate)	J. Finlayson, Esq.	5	1	0	28	83·2	67·95	156	154
D	Loch Alsh (Nostie)	N. of S. Hydro-Electric Bd.	5	0	11	25	...	61·82	169	164
D	Stromferry (Achmore)	Forestry Commission	5	0	8	100	...	57·60	192	160
D	Loch Carron (Dunhulladale)	Mrs. G. J. Campbell	5	1	0	91	74·9	57·14	223	174
M	Applecross Gardens	Mr. J. McCowan	5	1	6	70	57·3	45·82	...	...
D	ACHNASHELLACH	Forestry Commission	5	1	0	225	79·9	65·63	223	181
M	§Coulin Pass	Forestry Commission	5	1	0	950	...	69·06	...	...
	10.—INSULAR. OUTER HEBRIDES. 691 sq. mi.									
M	Stornoway Lighthouse	Com'rs. of N. Lighthouses	5	0	6	28	...	40·76	196	...
D	STORNOWAY Airfield	(+A) Meteorological Office	5	1	0	15	47·3	39·95	228	171

DIVISION XIX—NORTHERN COUNTIES

	SUTHERLAND. (Area, 2,080 sq. mi.)									
	1.—DORNOCH FIRTH. 413 sq. mi.									
D	Dornoch (Ospisdale)	F. N. Sudlow, Esq.	8	1	2	50	...	28·11	224	142
D	Strath Oykell (Rosehall)	Mr. A. Munro	5	1	0	200	...	35·81	221	168
D	Lairg	A. Gunn, Esq.	5	1	0	330	37·3	34·74	173	143
d	Lairg (Crask)	Mr. H. Murray	5	1	0	800	...	(41·37)	...	185
	2.—FLEET, BRORA & C. 309 sq. mi.									
	Loch Merkland	W. Mackay, Esq.	5	1	0	380	...	58·99	...	...
	3.—HELMSDALE & C. 226 sq. mi.									
d	Kinbrace (Borrobol Lodge)	Sir Roderick Wigan, Bt.	5	1	6	340	...	(33·00)	...	158
D	Kinbrace (Auchintoul)	Ian Boyd, Esq.	5	1	0	420	...	34·82	222	170

* *Per* Capt. W. N. McClean. § Turf wall round gauge.

DIVISION XIX—NORTHERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	SUTHERLAND—(*contd.*).		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	4.—NORTH COAST STREAMS. 736 sq. mi.								
D	Skerray (Borgie)	Forestry Commission	5	1 0	110	37·5	36·95	223	174
d	Tongue	Mr. J. Cambell	5	1 0	40	...	41·52	(208)	(165)
D	STRATHY (Bowside)	Dept. of Agriculture	5	1 0	125	...	32·09	223	153
d	Melvich Hotel	Miss M. Macintosh	5	1 0	200	36·0	31·94	(199)	(156)
D	Durness	W. M. Hames, Esq.	5	1 0	105	...	42·77	209	171
	Cape Wrath Lighthouse	Com'rs. of N. Lighthouses	5	0 9	346	...	41·11	225	171
D	CAPE WRATH	Principal Keeper (M.O.)	5	1 0	363	...	40·35	229	180
	5.—LOCH LAXFORD & C. 256 sq. mi.								
D	Drumbeg	K. Matheson, Esq.	5	1 0	200	...	44·76	204	179
D	Loch More (Achfary)	Matthew Elliot, Esq.	5	1 0	137	75·8	72·57	230	194
	6.—ENARD BAY. 138 sq. mi.								
D	Elphin	Capt. H. MacLeod	5	1 2	750	...	56·65	212	195
D	Lochinver (Bank House)	G. W. Gordon, Esq., J.P.	5	1 0	22	...	44·68	204	164
	7.—INSULAR. 2 sq. mi.								
	CAITHNESS. (Area, 696 sq. mi.)								
	1.—BERRIEDALE, DUNBEATH & C. 169 sq. mi.								
M	Berriedale (Langwell)	Duke of Portland	5	1 6	150	33·8	24·54	...	...
	Clythness	Com'rs. of N. Lighthouses	5	1 5	133	29·6	25·38	239	134
	2.—WICK & C. 184 sq. mi.								
D	WICK	(+A) Meteorological Office	5	1 0	119	29·9	26·74	195	150
	Nosshead	Com'rs. of N. Lighthouses	5	0 9	129	25·1	27·47	176	131
D	Lyth (Milton House)	D. Mackay, Esq.	5	1 0	100	...	28·49	149	129
	3.—THURSO & C. 238 sq. mi.								
D	Halkirk (Westerdale)	Rev. A. S. Maciver	5	1 0	195	...	29·06	198	152
D	Thurso (Buckies)	J. H. M. Davidson, Esq.	5	0 11	240	39·0	30·69	205	164
	Thurso (Holburn Head)	Com'rs. of N. Lighthouses	5	0 8	68	...	(30·88)	...	...
	Dunnet Head	Com'rs. of N. Lighthouses	5	1 0	331	30·2	(30·25)	...	...
	Duncansby Head	Com'rs. of N. Lighthouses	5	... ...	196	31·4	27·15	163	125
	4.—FORSS & C. 104 sq. mi.								
d	Reay (The Manse)	Rev. A. P. Bogie	9	1 0	49	36·2	30·63	...	...
	5.—INSULAR. 1 sq. mi.								
	ORKNEY. (Area, 389 sq. mi.)								
	Pentland Skerries Lighthouse	Com'rs. of N. Lighthouses	5	3 0	70	...	30·32	167	147
	Hoy (Cantick Head)	Com'rs. of N. Lighthouses	5	3 10	68	32·9	(30·85)	144	125
D	Hatston Airport	(+A) Meteorological Office	5	1 0	35	...	34·09	227	151
D	Stenness	W. J. Moar, Esq.	5	1 0	20	...	30·18	230	165
	Hellyar Holm	Com'rs. of N. Lighthouses	5	1 3	35	32·9	28·54	...	...
M	Shapinsay (Balfour Castle)	Mr. J. W. Liddell	5	0 5	50	32·0	26·52	...	...
	Sanday (Start Point)	Com'rs. of N. Lighthouses	5	1 0	27	31·1	30·56	202	159
	North Ronaldshay	Com'rs. of N. Lighthouses	5	0 9	22	32·8	30·96	173	131
	SHETLAND. (Area, 558 sq. mi.)								
D	LERWICK OBSERVATORY	(+A) Meteorological Office	8	1 0	269	38·1	33·74	229	168
	Eshaness	Com'rs. of N. Lighthouses		...	...	33·6	28·53	170	155
D	Bixter (Vementry)	Andrew Tait, Esq.	5	1 1	25	37·2	32·07	218	169
D	BALTASOUND (Halligarth)	Dr. T. E. Saxby, F.R.F.P.S.	5	1 0	30	42·1	38·27	251	185

Northern Ireland

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	FERMANAGH. (Area, 713 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—ERNE. 667 sq. mi.								
D	Newtownbutler (Crom Castle)	The Earl of Erne	5	1 0	200	38·7	36·69	213	155
D	Florencecourt	Earl of Enniskillen	5	1 0	269	*48·5*	55·02	223	163
D	Enniskillen (Castle Coole)	Lady Margaret Lowry-Corry	5	1 0	240	*41·0*	44·65	226	161
D	Colebrooke	Sir Basil Brooke, Bt.	5	1 0	250	...	42·95	200	157
d	Ballinamallard (Rossfad)	Col. H. S. C. Richardson	5	0 11	200	...	43·18	...	...
D	Belleek (Roscor)	J. H. Dick, Esq.	5	1 0	500	...	48·05	220	186
D	Belleek	T. Beacom, Esq.	5	1 2	150	*45·5*	50·43	220	199
D	CASTLE ARCHDALE (+A)	Meteorological Office	5	1 0	240	...	41·16	206	160
	2.—DROWES & C. 46 sq. mi.								
	ARMAGH. (Area, 514 sq. mi.)								
	1.—DUNDALK BAY. 118 sq. mi.								
	2.—CARLINGFORD LOUGH. 23 sq. mi.								
D	Bessbrook (The Woodhouse)	J. S. W. Richardson, Esq.	5	1 0	260	*37·2*	44·51	205	152
	3.—BANN. Lough Neagh, East. 37 sq. mi.								
	4.—BANN. UPPER. 144 sq. mi.								
D	Markethill (Whitecross)	Gov. of Northern Ireland	5	1 0	400	...	44·37	174	140
	5.—BANN. Lough Neagh, West. 192 sq. mi.								
D	Keady (Derrynoose Rectory)	Rev. T. F. Campbell	5	1 0	380	...	37·11	224	146
D	Tynan Abbey	Capt. C. N. L. Stronge	5	1 0	167	...	35·37	187	144
D	ARMAGH (Observatory) (+A)	Director of Obsy. (M.O.)	8	1 0	204	31·7	34·24	187	149
D	Richhill (Sandymount)	Mrs. C. B. Lamb	5	1 6	200	*29·3*	31·18	168	143
	DOWN. (Area, 961 sq. mi.)								
	1.—CARLINGFORD LOUGH. 104 sq. mi.								
D	Newry (Bridge Street House)	C. Blaney, Esq.	5	1 0	23	38·1	38·49	170	141
	2.—DUNDRUM BAY & C. 173 sq. mi.								
D	Silent Valley (Belfast W.W.)	S.H.W.Middleton,Esq.,C.E.	5	1 0	426	...	53·53	211	155
D	Annalong (Belfast W.W.)	S.H.W.Middleton,Esq.,C.E.	5	1 0	435	*47·5*	50·71	199	162
	Mourne Mount'ns (Slieve Lamagan)	S.H.W.Middleton,Esq.,C.E.	5	1 0	1320	...	71·20	...	...
	Mourne Mount'ns (Lough Shannagh)	S.H.W.Middleton,Esq.,C.E.	5	1 0	1280	...	71·90	...	...
	Mourne Mount'ns (Slieve Bearnagh)	S.H.W.Middleton,Esq.,C.E.	5	1 0	1954	...	70·90	...	...
D	Seaforde	T. W. Forde, Esq.	8	1 0	180	38·3	44·84	...	...
	3.—STRANGFORD LOUGH. 260 sq. mi.								
	4.—COAST STREAMS. 47 sq. mi.								
D	Donaghadee (Craigmore)	Miss E. E. Coates	5	1 0	60	*30·6*	36·68	217	143
D	Donaghadee (Orlock Reservoir)	Resident Engineer	5	1 0	43	...	32·23	190	145
	5.—BELFAST LOUGH. 206 sq. mi.								
D	Dromara	Gov. of Northern Ireland	5	1 0	550	...	40·80	211	161
	Annaghanoon	W. J. Gibson, Esq.	5	1 0	200	...	36·06	...	...
D	Waringstown (The Forge)	W. J. Gibson, Esq.	5	1 0	184	32·2	35·94	217	155
D	HILLSBOROUGH (Ag. Research Inst.)	Secretary	5	1 0	388	...	36·55	196	154
d	Knock (Cherryvalley Park)	W. R. Carmody, Esq.	5	1 1	120	...	39·68	216	160
D	Knock (Hawthornden Road)	S. Dunlop, Esq.	5	1 0	100	...	39·23	222	156
D	Bangor (Garth House School)	Miss E. N. Swanson	5	... ...	120	...	36·16	184	145

NORTHERN IRELAND—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1947 Rainfall	1947 Days with ·01 in. or more	1947 Days with ·04 in. or more
	DOWN—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	6.—BANN. Lough Neagh East. 7 sq. mi.								
	7.—BANN. UPPER. 162 sq. mi.								
	8.—INSULAR. 2 sq. mi.								
	ANTRIM. (Area, 1,193 sq. mi.)								
	1.—BELFAST LOUGH. 107 sq. mi.								
D	LISBURN SCHOOL	Headmaster	8	1 0	201	34·1	34·20	191	157
D	Lambeg (Glenmore House)	Linen Industry Res. Assn.	8	0 11	100	...	36·30	196	143
D	Dunmurry (Warren House)	Col. H. R. Charley	5	0 10	110	...	38·53	213	163
D	Dunmurry (Lagmore)	S.H.W.Middleton,Esq.,C.E.	5	1 0	385	...	43·06	211	173
D	Belfast (Queen's University)	S. Nelson, Esq.	5	1 0	62	34·5	39·09	193	159
D	Belfast (Sewage Works)	City Surveyor	8	1 0	26	*35·8*	39·74	205	148
D	Belfast (Oldpark Filters)	S.H.W.Middleton,Esq.,C.E.	5	1 0	203	*39·0*	43·82	204	170
D	*Carrickfergus (Dorisland)	S.H.W.Middleton,Esq.,C.E.	5	1 0	250	...	37·02?	221	164
D	Carrickfergus (Knockagh)	S.H.W.Middleton,Esq.,C.E.	5	1 0	750	...	43·48	220	163
D	Carrickfergus (S. Woodburn)	S.H.W.Middleton,Esq.,C.E.	5	1 0	640	*44·5*	46·58	224	175
D	Carrickfergus (N. Woodburn)	S.H.W.Middleton,Esq.,C.E.	5	1 0	735	*45·5*	48·52	228	167
D	Carrickfergus (Copeland)	S.H.W.Middleton,Esq.,C.E.	5	1 0	427	*40·0*	40·48	222	169
D	Carrickfergus (Lough Mourne)	S.H.W.Middleton,Esq.,C.E.	5	1 0	596	*42·5*	44·78	237	186
	2.—GLENARM & C. 186 sq. mi.								
D	Larne (Sallagh Springs)	J. E. Croasdaile, Esq., M.A.	5	1 0	566	*50·0*	44·67	198	166
	3.—BUSH & C. 193 sq. mi.								
D	Ballycastle (Coolgreany)	E. R. Casement, Esq.	5	1 6	90	...	39·25	201	167
	4.—BANN. LOWER. 112 sq. mi.								
D	Toomebridge	Gov. of Northern Ireland	5	... ...	59	...	34·07	178	151
	5.—BANN. Lough Neagh, East. 590 sq. mi.								
D	Stonyford (Belfast W.W.)	S.H.W.Middleton,Esq.,C.E.	5	1 0	453	...	41·35	228	161
D	Leathemstown (Belfast W.W.)	S.H.W.Middleton,Esq.,C.E.	5	1 0	534	...	41·96	227	165
D	ALDERGROVE (Airfield) (+A)	Meteorological Office	5	1 0	294	33·0	32·22	204	153
D	Randalstown	Old Bleach Linen Co.	5	1 0	100	...	36·53	213	157
D	Ballymena (Harryville)	R. T. Campbell, Esq.	5	1 5	150	41·5	40·09	247	176
D	Broughshane (Quolie)	H. W. Craig, Esq., C.E.	5	1 6	864	*47·3*	49·16	238	194
	6.—INSULAR. 5 sq. mi.								
	LONDONDERRY. (Area, 816 sq. mi.)								
	1.—LOUGH SWILLY. 6 sq. mi.								
D	Londonderry (Dunruadh)	J. H. Welch, Esq.	5	0 6	150	*40·5*	37·20	203	165
	2.—BUSH & C. 9 sq. mi.								
	3.—BANN. LOWER. 240 sq. mi.								
D	Upperlands (Ardtara)	H. J. Clark, Esq.	5	2 0	250	...	42·03	204	174
D	GARVAGH (MONEYDIG)	J. Porter, Esq.	5	1 0	121	38·8	42·30	230	170
D	Coleraine (The Cutts)	Govt. of Northern Ireland	5	1 0	22	...	38·88	230	171
D	Coleraine (Ingledene)	W. R. Johnston, Esq.	5	3 4	55	...	40·13	223	177

* Gauge over-exposed.

NORTHERN IRELAND—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1947: Rainfall	1947: Days with ·01 in. or more	1947: Days with ·04 in. or more
	LONDONDERRY—(*contd.*).		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	4.—BANN, Lough Neagh, West 196 sq. mi.								
	5.—FOYLE & C. 365 sq. mi.								
M	Glenedra (Spelhoagh Mountain)	... Londonderry C.B.C. ...	5	1 0	1333	*60·0*	(61·73)	...	...
M	Glenedra Hill	... Londonderry C.B.C. ...	5	1 0	1333	*62·5*	(61·76)	...	...
M	Glenedra Lodge	... Londonderry C.B.C. ...	5	1 0	950	57·0	(58·87)	...	...
M	†Glenedra (Altagarran Mountain)	... Londonderry C.B.C. ...	5	1 0	1230	...	55·93	...	...
M	Dungiven (Labbyheige) ...	... Londonderry C.B.C. ...	5	1 0	1150	...	(57·59)	...	...
M	Altnaheglish (Altabrogy Burn)	... Londonderry C.B.C. ...	5	1 0	967	...	56·17	...	...
M	Glenedra Intake	... Londonderry C.B.C. ...	5	1 0	740	...	57·83	...	...
M	Altnaheglish (Glack Burn) ...	... Londonderry C.B.C. ...	5	1 0	967	...	(55·87)	...	...
D	Dungiven (Banagher Filters) ...	... Londonderry C.B.C. ...	5	1 0	373	...	51·04	260	200
D	Londonderry (Creggan Res.) ...	... Mr. W. Hutchison ...	8	1 0	325	41·8	43·68	265	188
D	BALLYKELLY (Airfield)	(+A) Meteorological Office ...	5	1 0	10	...	34·24	196	145
D	Limavady (Drenagh)	... Mrs. T. McCausland ...	5	1 6	80	37·0	38·24	233	180
D	CASTLEROCK (Craighead) ...	... E. G. Box, Esq.	5	1 0	57	...	40·31	209	168
	TYRONE. (Area, 1,257 sq. mi.)								
	1.—ERNE. 46 sq. mi.								
	2.—BANN. Lough Neagh, West. 442 sq. mi.								
D	Dungannon Park (Aloha) ...	... Major R. Stevenson ...	5	1 0	250	...	40·95	214	165
D	Castlecaulfield (Parkanaur) ...	... Major Y. A. Burges ...	8	0 6	250	...	38·69	203	153
	3.—FOYLE. 769 sq. mi.								
D	Omagh (Edenfel)	... Mrs. F. M. Hammond Smith	8	1 0	280	40·1	43·30	211	170
D	Sion Mills (Sion House) ...	... Capt. J. C. Herdman ...	5	1 0	100	39·1	44·04	210	179

† Gauge over-exposed on moor

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